EQUUS CHEVALINE DEXX ROOF & DECK SYSTEM

Standard Building Consent Package

equus

CELEBRATING 40 YEARS 1982–2022

APRIL 2024

CONTENTS

EQUUS
CHEVALINE DEXX
Flexible reinforced roof and deck membrane

Chevaline Dexx is a liquid applied, single layer glass fibre mat reinforced membrane for use in sealing old and new flat and near-flat roofs, walk out decks and patios. The material is a heavy-bodied waterborne acrylic paste ready to use from the container. It is formulated for high adhesion and water resistance, with toughness combined with flexibility in the cured film. This makes it particularly useful where areas are subject to foot traffic. The membrane system can also be used for light vehicular traffic as a two-layer glass fibre mat reinforced system to accommodate stresses in all directions. Topcoats are also available for various service conditions.
Chevaline Dexx is suitable for a wide range of applications including wet areas and under tiles.

Complete system accessories include:

- Chevaline Dexx Primer
- Chevaline Epistixx Primer
- Fibreglass Mat
- Chevaline Dexx Topcoat
- Traxx 2000 Wearcoat

Key Benefits:

- 100% NZ made
- Proven durability with 38+ years in service history
- Proven UV resistance
- Easy to apply and maintain long term
- Applicable to a variety of surfaces in both horizontal and vertical situations
- Life expectancy of 25 years with regular maintenance
- Wide colour range available
- Zero odour application

Available Colours:

Standard Grey (00A05)

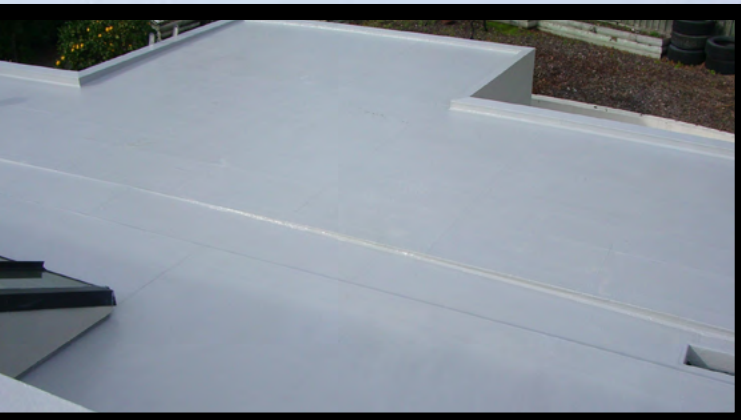
Chevaline Dexx is supplied as Standard Grey (00A05) and White. Custom colours are available to match any colour chart.

Technical Support:

- Project Specific specifications and details
- On-site quality assurance
- Approved/licensed application nationwide
- Extended Warranties available

EQUUS
CHEVALINE DEXX

Flexible reinforced roof and deck membrane



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JANUARY 2024

4432CD EQUUS CHEVALINE DEXX ROOF & DECK MEMBRANE

1 GENERAL

This section relates to the supply and application of **Equus** Chevaline Dexx membrane, comprised of:

- a liquid applied, glass fibre mat reinforced membrane for use in sealing new and existing flat and near flat roofs, including walk out decks and patios
- bonded to construction plywood, concrete including all underlays and accessories

1.1 RELATED WORK

Refer to ~ for ~.

1.2 ABBREVIATIONS AND DEFINITIONS

Refer to the general section 1232 INTERPRETATION & DEFINITIONS for abbreviations and definitions used throughout the specification.

The following abbreviations apply specifically to this section:

SDS	Safety Data Sheet
TDS	Technical Data Sheet
LOSP	Light oil solvent based preservative
~	~

Documents

1.3 DOCUMENTS

Refer to the general section 1233 REFERENCED DOCUMENTS. The following documents are specifically referred to in this section:

NZBC B1/AS1	Structure
NZBC B2/AS1	Durability
NZBC E1/AS1	Surface water
NZBC E1/AS2	Surface water
NZBC E2/AS1	External moisture
AS/NZS 2269.0	Plywood - Structural - Specifications
AS/NZS 3500.3: 2018	Plumbing and drainage - Stormwater drainage
NZS 3114	Specification for concrete surface finishes

1.4 MANUFACTURER/SUPPLIER DOCUMENTS

Manufacturer's and supplier's documents relating to this part of the work:
Equus - The Waterproofing Manual

Manufacturer/supplier contact details

Company:	Equus Industries Ltd
Web:	https://equus.nz/
Email:	tech.support@equus.co.nz
Telephone:	+64 (0)3 353 2434

Warranties

1.5 WARRANTY - MANUFACTURER/SUPPLIER

Provide a material manufacturer/supplier warranty:

15 years	For **Equus Chevaline Dexx** waterproofing membrane system

- Provide this warranty on the manufacturer/supplier standard form (if unavailable, use the standard form in the general section 1237WA WARRANTY AGREEMENT)
- Commence the warranty from the date of Practical Completion of the contract works.

Warranty issued In conjunction with an appropriate Maintenance Statement.
Refer to the general section 1237 WARRANTIES for additional requirements.

1.6 WARRANTY - INSTALLER/APPLICATOR

Provide an installer/applicator warranty:

15 years	For **Equus Chevaline Dexx** membrane roofing

10 years For **Equus Chevaline Dexx** pedestrian deck membrane

- Provide this warranty on the installer/applicator standard form (if unavailable, use the standard form in the general section 1237WA WARRANTY AGREEMENT)
- Commence the warranty from the date of Practical Completion of the contract works.

Warranty issued In conjunction with an appropriate Maintenance Statement.
Refer to the general section 1237 WARRANTIES for additional requirements.

Requirements

1.7 NO SUBSTITUTIONS

Substitutions are not permitted to any specified **Equus** system, or associated components and product.

1.8 QUALIFICATIONS

Waterproofing work to be carried out by certified applicators approved by **Equus Industries Ltd**. Approved applicators may be found at:
Web: https://equus.nz/
Telephone: 03 578 0214

Compliance information

1.9 INFORMATION REQUIRED FOR CODE COMPLIANCE

Provide the following compliance documentation: -

- Applicators approval certificate from the manufacturer / importer / distributor
- Manufacturer's, importer's or distributors warranty
- Installer's / applicator's warranty
- Producer Statement - Construction from the applicator / installer
- Other information required by the BCA in the Building Consent Approval documents.

Performance

1.10 TESTING - FLOOD

Where practical flood test horizontal applications with a minimum 50mm depth of water for 24 hours. Make good any lack of water tightness when the surface is completely dry.

1.11 TESTING - ALTERNATIVE FORMS OF LEAK DETECTION

Contact **Equus Industries Ltd** +64 (0)3 578 0214 for appropriate methods of leak detection other than flood testing.

1.12 PERFORMANCE

Accept responsibility for the weather-tight performance of the completed roofing system, including all penetrations through the roof and junctions with walls and parapets. All penetrations to comply with NZBC E2/AS1, 8.5.9, 'Penetrations' and **Equus** recommendations.

1.13 PRE INSTALLATION MEETING

Convene a meeting between the applicator, contractor, all associated consultants and **Equus Industries Ltd**, where applicable, to ensure all parties know what is required for effective performance of the system.

1.14 SPECIAL DETAILS

Where a standard detail does not exist, or if a standard detail cannot be applied, an approved alternative must be obtained from **Equus Industries Ltd** before proceeding with the installation.

1.15 QUALITY ASSURANCE

Maintain quality necessary to assure that work is performed in accordance with this specification and the qualifying requirements of **Equus Industries Ltd**.

1.16 ONGOING MAINTENANCE REQUIREMENTS

Equus Industries Ltd recommend that the installation be inspected annually to ensure that all drainage points are clear and working. It is required that between the 9th and 11th year of service the installation is cleaned and re-top coated with an appropriate top coat from **Equus Industries Ltd** to maintain the integrity of the waterproof membrane, to comply with NZBC B2/AS1.

1.17 PRODUCER STATEMENT

Applicator to provide a producer statement verifying **Equus Chevaline Dexx** application to the Building Consent Authority and the contract administrator. Applicator to provide producer statements in the form required by the building consent Authority. Refer to the general section - 1234 DOCUMENTATION.

2 PRODUCTS

Materials

2.1 WATERPROOFING MEMBRANE

Equus Chevaline Dexx gel, a heavy-bodied waterborne acrylic paste ready to use from the container.

2.2 REINFORCEMENT LAYER

Equus Chevaline Dexx 300 gsm chopped strand glass fibre E mat.

Accessories

2.3 PRIMER

Equus Chevaline Epistixx Primer for concrete/plywood or to surfaces which are slightly damp.

2.4 PRIMER - PLYWOOD

Equus Chevaline Dexx Primer for plywood.

2.5 PRIMER - BACK PRIME PLYWOOD

Equus Chevaprime PBT primer for plywood to back-prime sheets used over non-vented spaces prior to installation

2.6 CONCRETE SUBSTRATE FILLER

Equus Thermexx Binder / Premix M1 for minor surface pre-treatment

2.7 CONCRETE SUBSTRATE FILLER

Equus Chevacryl Admix/ Premix M4 for major surface pre-treatment

2.8 PLYWOOD SUBSTRATE FILLER

Equus Epar Epoxy filler 802 for surface defects, voids.

2.9 SEALANT

Equus Tremco Dymonic NT sealant, for floor/wall transitions and associated designed construction joints.

2.10 TILE ADHESIVE - EXTERIOR

Equus Thermexx Adhesive or an alternative as approved by **Equus Industries Ltd**.

Finishes

2.11 PROTECTIVE FINISH - NON-SKID

Equus Chevaline Dexx Wearcoat.

2.12 PROTECTIVE FINISH - PEDESTRIAN TRAFFIC

Equus Chevaline Dexx Topcoat.

2.13 PROTECTIVE FINISH - PONDING ROOFS/ GUTTERS

Equus Traxx 2000 Wearcoat.

2.14 PROTECTIVE FINISH - GENERAL ROOFS

Equus Chevaline Colourglaze.

2.15 PEDESTALS

Equus Fixplus range of pedestals and tile supports. Pedestals are customisable to be compatible with a range of flooring materials.

3 EXECUTION

Conditions - generally

3.1 GENERALLY

All work and materials to comply with **Equus Industries Ltd** Specifications, associated **Equus** Technical Literature and NZBC E2/AS1.

3.2 STORAGE

Take delivery of pails of **Equus Dexx** liquid membrane and accessories undamaged. Include for site handling facilities where required. Store, on a level surface, off concrete floors, out of direct sunlight and with the required accessories under conditions that ensure no deterioration or damage.

3.3 WEATHER

Lay membrane in fair weather, with ambient air temperature no less than 8°C or when surface temperature is more than 4°C. Use **Equus Dexx FD** in adverse conditions. Normal conditions are 18-23°C. Cooler/ humid conditions may prolong dry times.

Application - generally

3.4 PRELIMINARY WORK

Ensure that preliminary work, including formation of falls, flashing rebates, grooves, ducts, penetrations, provision of battens and fillets and fixing of vents and outlets to levels, is complete and properly constructed to enable the system to work as intended. This work and the substrate to be smooth, clean, dry and stable.

3.5 ACCEPTANCE OF SUBSTRATE

Confirm that the substrate, including fillets, sumps, outlets and projections, will ensure work of the required standard. Ensure the substrate fall complies with NZBC E2/AS1, including correct fall to rainwater outlets to avoid ponding.

The builder to confirm that the substrate is well braced against movement and deflection and structurally sound. Ensure all surfaces are clean, dry and free from dust and dirt, oils or grease with no projections of sharp materials. Complete any remedial work identified before commencing any work.

Application - on plywood roofs / light traffic decks

3.6 PLYWOOD SUBSTRATE - GENERAL

Plywood to be minimum 17.5mm C-D structural plywood to comply with AS/NZS 2269.0, with the sanded C face upwards. Plywood to be treated to a minimum grade of H3 CCA treated. Do not use LOSP treated plywood. Inspect existing substrates and structures to ensure they will not affect the performance of the membrane when applied. The moisture content of the plywood and the timber substructure must not exceed 20% when the membrane is applied to NZBC E2/AS1, 8.5.5.1, 'Plywood.'

3.7 LAY PLYWOOD SUBSTRATE

Lay sheets to maximise the use of whole sheets. Lay sheet joints over framing members in a staggered brick bond pattern running across the fall in roof to NZBC E2/AS1, 8.5.5.1 'Plywood.' All plywood sheets to be tight butted. Pre-prime sheet edges with **Equus Chevaline Dexx Primer** prior to installation. Back-prime sheets used over non vented spaces with **Equus Chevaline Dexx** primer where required.

3.8 FIX PLYWOOD SUBSTRATE

Fix plywood to manufacturer's instructions and to NZBC E2/AS1, 8.5.5.1, 'Plywood' taking into account wind loading, frame spacing and ply thickness. Screw-fix using countersunk stainless steel screws, gauge 10 with length three times the thickness of the plywood. Lay sheets in a bead of construction adhesive along all framing members. For two-layer plywood surfaces the first layer can be power-nailed but the second layer must be screw-fixed with all joints offset from the first layer. Recess all fastener heads below level of sheet face. Fix screws at 150mm centres on sheet perimeter and 200mm through the body of the sheet.

Ensure substrate framing supports plywood at a maximum 600mm centres each way for roofs and 400mm each way for decks. Fully support all sheet joints.

3.9 FALLS

- Lay roofs to a minimum fall of 1:30 (2°) to NZBC E2/AS1, 8.5.1 a.

- Lay decks to a minimum of 1:40 (1.5°) to NZBC E2/AS1, 8.5.1 b.
- Lay gutters to a minimum fall of 1:100 (0.57°) to NZBC E2/AS1, 8.5.1 c.

3.10 CORNERS

Chamfer all leading edges of plywood with a 5mm radius corner. Install to all internal corners H3.2 treated timber fillets 20mm x 20mm.

3.11 OUTLETS

Install roof and deck outlets to NZBC E2/AS1, 8.5.6, 'Roof and deck drainage'. Size outlets in accordance with NZBC E1/AS1, 5.0, 'Roof Gutters.'

3.12 SURFACE PREPARATION

Remove projections and all debris, leaving the surface dust-free, oil-free and clean, with nothing that could diminish the adhesion of primers. All surface defects and fasteners to be flushed out with an approved filler such as **Equus Epar Epoxy 802** and allowed to cure before membrane application. Include any gaps due to irregularities in sheet edges at tight-butt joints.

3.13 PRIME SUBSTRATES

Prime all plywood surfaces with **Equus Chevaline Dexx Primer** to dry surfaces, or **Equus Epistixx Primer** to damp plywood surfaces, before membrane application.

3.14 ALLOW PRIMER TO DRY

Allow the primer to fully dry as recommended by **Equus Industries Ltd**. Prevent contamination of the primed surface prior to application of the membrane. Allow an overnight dry for **Equus Epistixx**.

Where more than 48 hours passes without membrane application a second 'wash' coat of **Epistixx** primer will be required. The spreading rate for this coat will be in the order of 15-20 m²/litre.

3.15 PLYWOOD JOINTS

Apply a 150mm wide strip of 300 gsm chopped strand glass fibre mat centred over all joints and firmly embedded in **Equus Chevaline Dexx**, after priming and before membrane application.

3.16 UPSTANDS, JUNCTIONS AND JOINTS

Apply a minimum of 150mm wide strip of 225 gsm or 300 gsm glass fibre mat embedded in **Equus Chevaline Dexx** and centred on the transition/ joint as additional stress reinforcement, after priming and before membrane application.

3.17 APPLY CHEVALINE DEXX MEMBRANE

The membrane comprises **Equus Dexx** and 300 gsm glass fibre mat applied in the following sequence as a three-coat system:

- 1st body-coat
- glass fibre mat (laid into wet body-coat)
- 2nd body-coat
- 3rd body-coat

All **Equus Dexx** body-coats to be roller applied with a medium/ long nap roller. Application to be in accordance with **Equus Industries Ltd** instructions particularly with regard to spreading rates and dry times, to ensure a sound, tight membrane is achieved. Ensure that the reinforcement mat is well embedded in the wet material and that the body-coat application of the mat is well worked in, to eliminate air-trap and to fully encapsulate remaining fibreglass strands. Apply further body-coats as needed to provide correct film-build and smooth finish.

Finishing - on plywood roofs / light traffic decks

3.18 NON-SLIP SURFACE - PEDESTRIAN ACCESS

Treat membrane with one coat of **Equus Dexx Wearcoat**, with profile and spreading rate in accordance with **Equus** recommendations, for likely service conditions.

3.19 FINAL TOPCOAT/GLAZECOAT

All trafficable surfaces to be sealed with one full coat of **Equus Chevaline Dexx Topcoat** applied by roller, brush or spray at a spreading rate of 10-11 m²/litre as supplied. All non-trafficable general roof areas to be sealed with one coat of **Equus Chevaline Colourglaze** at 10-11 m²/litre as supplied.

3.20 FINAL WEARCOAT

All ponding surfaces to be sealed with one full coat of **Equus Traxx 2000 Wearcoat** applied by roller, brush or spray at a spreading rate of 10-11 m²/ litre as supplied.

3.21 UPSTANDS, COVERS, SUMPS

Take **Equus Dexx** membrane 150mm up all associated upstands and turned into any rainwater sumps that are incorporated in the deck. Where permanent ponding is likely to occur in sumps and gutters, a finish coat of **Equus Traxx 2000 Wearcoat** applied 8-10 m²/ litre is to be substituted for the chosen Wearcoat.

3.22 WATER ENTRY POINTS

Ensure all construction details, which may allow water entry to the structure beneath the membrane, are adequately sealed in accordance with **Equus Industries Ltd** instructions.

3.23 COLOUR AND GLOSS

Ensure the colour of the membrane and the glazecoat is the same in any area.

3.24 PLACING IN SERVICE

The treated areas may be placed in service 48 hours after **Equus Glazecoat** application.

3.25 INSTALL PEDESTALS

For balconies, walkways and roofing applications with raised floors, install **Equus Fixplus Pedestals** as per manufacturer's instructions.

Application - on concrete, plaster and mastic asphalt surfaces

3.26 CONCRETE SUBSTRATE - GENERALLY

Confirm concrete structures are specifically engineered to meet the requirements of the NZBC B1/VM1, 3.0, 'Concrete'. Inspect the existing substrate and structure to ensure that they will not affect the performance of the membrane when applied.

Ensure concrete substrate has been allowed to cure for at least 28 days before commencing application. The relative humidity of concrete substrates must be 75% or less before membrane application to NZBC E2/AS1, 10.0, 'Construction moisture'. **Equus** do not recommend the use of curing compounds, however when used ensure all traces of compound are gone or removed. Concrete to be finished to NZS 3114, with a light trowel texture

3.27 SURFACE PREPARATION

Remove projections and all debris, leaving the surface dust-free, oil-free and clean, with nothing that could diminish the adhesion of primers. All ridges and protrusions to be stoned flush.

Flush depressions with an **Equus Thermexx** or **Equus Chevacryl** Admix-gauged patch mix and allow to cure at least 48 hours before overcoating.

3.28 CONCRETE FALL

- Lay roofs to a minimum fall of 1:30 (2°) to NZBC E2/AS1, 8.5.1 a.
- Lay decks to a minimum of 1:40 (1.5°) to NZBC E2/AS1, 8.5.1 b.
- Lay gutters to a minimum fall of 1:100 (0.57°) to NZBC E2/AS1, 8.5.1 c.

Water blast clean all surfaces to remove all detritus and allow to dry.

3.29 CONCRETE CORNERS

Chamfer all leading edges to 5mm radius and minimum 20mm cement mortar or 20mm x 20mm H3.2 treated timber fillets installed in internal corners.

3.30 CONCRETE OUTLETS

Install roof and deck outlets to NZBC E2/AS1, 8.5.6, 'Roof and deck drainage'. Size outlets in accordance with NZBC E1/AS1, 5.0, 'Roof Gutters.'

3.31 CONCRETE AND PLYWOOD AS SUBSTRATE

Equus recommend a specifically designed expansion joint is required to be installed between dissimilar materials.

3.32 EXPANSION/ MOVEMENT JOINTS

Seal designed joints exceeding 6mm in width with **Equus Tremco Dymonic NT** and leave exposed.

3.33 SHRINKAGE/ SETTLEMENT CRACKING AND CONSTRUCTION JOINTS

For concrete/ solid plaster surfaces; ensure any regular cracks greater than 1mm width, which appear likely to move regularly, be saw cut or chased to 5mm width and 8- 15mm depth. Prime and seal with **Equus Dymonic NT**. Overlay all sealant joints after surface priming with a 150mm strip of 300 gsm chopped strand glass fibre matt bedded in **Equus Dexx**. Carry the **Equus Chevaline Dexx** membrane over the cracks.

For all surfaces; Ensure irregular cracks, for which saw-cutting or chasing is impractical, be pre-treated after surface priming with **Equus Dexx** as a 150mm wide band, with 300 gsm glass fibre mat or tape embedded as reinforcement centred over the crack. Allow to dry overnight before membrane application is begun.

3.34 UPSTANDS

Round all monolithic horizontal/ vertical transitions which are not already coved to 5mm minimum radius using **Equus Dymonic NT** applied as a fillet, at least 24 hours before membrane application. Where the transition is not monolithic, a 25mm x 25mm plaster or timber section can be installed prior to **Equus Chevaline Dexx** membrane application.

3.35 PRIME SUBSTRATES

Prime substrates thoroughly with **Equus Chevaline Epistixx Primer**, correctly mixed and diluted for roller or brush, at a spreading rate of 8-10 m² per litre, ensuring a good even coverage and penetration as recommended by **Equus Industries Ltd**. Application to include upstands to a minimum height of 150mm adjacent to all horizontal surfaces being coated. Consumption rates will depend on surface profile and porosity.

3.36 ALLOW PRIMER TO DRY

Allow the primer to fully dry as recommended by **Equus Industries Ltd**. Prevent contamination of the primed surface prior to application of the membrane. Allow an overnight dry for **Equus Epistixx**.

Where more than 48 hours passes without membrane application a second 'wash' coat of **Equus Epistixx** primer will be required. The spreading rate for this coat will be in the order of 15-20 m² per litre.

3.37 APPLY CHEVALINE DEXX MEMBRANE

The membrane comprises Equus Dexx and 300 gsm glass fibre mat applied in the following sequence:

- 1st body-coat
- glass fibre mat (laid into wet body-coat)
- 2nd body-coat
- 3rd body-coat

All **Equus Dexx** bodycoats to be roller applied with a medium/long nap roller. Application to be in accordance with **Equus Industries Ltd** instructions particularly with regard to spreading rates and dry times, to ensure a sound tight membrane is achieved. Ensure that the reinforcement mat is well embedded in the wet material and that the body coat application of the mat is well worked in, to eliminate air-trap and to fully encapsulate remaining fibreglass strands. Apply further bodycoats as needed to provide correct film build and smooth finish.

Finishing- on concrete, plaster and mastic asphalt surfaces

3.38 NON-SLIP SURFACE - PEDESTRIAN ACCESS

Treat membrane with one coat of **Equus Dexx Wearcoat**, with profile and spreading rate in accordance with **Equus** recommendations, for likely service conditions.

3.39 FINAL TOPCOAT/GLAZECOAT

All trafficable surfaces to be sealed with one full coat of **Equus Chevaline Dexx Topcoat** applied by roller, brush or spray at a spreading rate of 10-11 m² per litre as supplied.
All non-trafficable general roof areas to be sealed with one coat of colour glaze 10 -11 m²/litre as supplied.

3.40 FINAL WEARCOAT

All ponding surfaces to be sealed with one full coat of **Equus Traxx 2000 Wearcoat** applied by roller, brush or spray at a spreading rate of 10-11 m² per litre as supplied.

3.41 UPSTANDS, COVERS, SUMPS

Apply **Equus Dexx** membrane 150mm up all associated upstands and turned into any rainwater sumps which may be incorporated in the floor slab or deck. Where permanent ponding is likely in sumps and gutters, a finish coat of **Equus Traxx 2000 Wearcoat** applied at 8-10 m² per litre should be substituted for the normal glazecoat.

3.42 WATER ENTRY POINTS

Ensure all construction details which may allow water entry to the slab beneath the membrane are adequately sealed in accordance with **Equus Industries Ltd** instructions.

3.43 COLOUR AND GLOSS

Ensure the colour of the final coat of the membrane and the glazecoat is the same in any area.

3.44 PLACING IN SERVICE

The treated areas may be placed in service 48 hours after **Equus Glazecoat** application.

3.45 INSTALL PEDESTALS

For balconies, walkways and roofing applications with raised floors, install **Equus Fixplus Pedestals** as per manufacturer's instructions.

Application - to plywood car parking decks, general situations

3.46 PLYWOOD SUBSTRATE -STRUCTURAL UNDERLAY

Plywood thickness as determined by the engineer based on loading and support spacing, will generally be minimum 25mm treated structural plywood, unless otherwise specified by the specifier and complying with AS/NZS 2269.0. Plywood to be a minimum grade of H3 CCA treated. Do not use LOSP treated plywood. Inspect existing substrates and structures to ensure they will not affect the performance of the membrane when applied. The moisture content of the plywood and the timber substructure must not exceed 20% when the membrane is applied to NZBC E2/AS, 8.5.5.1, 'Plywood'.

3.47 PLYWOOD SUBSTRATE -OVERLAY

Note: Ensure sheet joints are offset against the existing plywood joints.
Plywood to be minimum 17.5mm treated structural plywood, complying with AS/NZS 2269.0. Plywood to be a minimum grade of H3 CCA treated. Do not use LOSP treated plywood. Inspect existing substrates and structures to ensure they will not affect the performance of the membrane when applied. The moisture content of the plywood and the timber substructure must not exceed 20% when the membrane is applied to NZBC E2/AS, 8.5.5.1, 'Plywood'.

3.48 LAY PLYWOOD SUBSTRATE

Lay sheets to maximise the use of whole sheets. Lay sheet joints over framing members in a staggered brick bond pattern running across the fall in roof to NZBC E2/AS1, 8.5.5.1 'Plywood'. All plywood sheets to be tight butted. Pre-prime sheet edges with Equus **Chevaline Dexx Primer** prior to installation. Back prime sheets used over non vented spaces with **Equus Chevaprime PBT** primer prior to installation.

3.49 FIX PLYWOOD SUBSTRATE

Fix plywood to manufacturer's instructions and to NZBC E2/AS1, 8.5.5.1 'Plywood', taking into account wind loading, frame spacing and ply thickness. Screw-fix using countersunk stainless steel screws, gauge 10 with length 3 times the thickness of the plywood. Lay sheets in a bead of construction adhesive along all framing members. For two layer plywood surfaces the first layer can be power-nailed but the second layer must be screw-fixed with all joints offset from the first layer. Recess all fastener heads below level of sheet face. Fix screws at 150mm centres on sheet perimeter and 200mm through the body of the sheet.

Ensure substrate framing supports plywood at a maximum 400mm centres each way. Fully support all sheet joints.

3.50 PLYWOOD FALL

- Lay decks to a minimum of 1:40 (1.5°) to NZBC E2/AS1, 8.5.1 b.
- Lay gutters to a minimum fall of 1:100 (0.57°) to NZBC E2/AS1, 8.5.1 c.

3.51 CORNERS

Chamfer all leading edges of plywood with a 5mm radius corner. Install to all internal corners H3.2 treated timber filets 20mm x 20mm.

3.52 OUTLETS - TO NZBC E1/AS1

Install roof and deck outlets to NZBC E2/AS1, 8.5.6, 'Roof and deck drainage'. Size outlets in accordance with NZBC E1/AS1.

3.53 OUTLETS - TO AS/NZS 3500.3: 2018 AS MODIFIED BY NZBC E1/AS2

Install roof and deck outlets to NZBC E2/AS1, 8.5.6, 'Roof and deck drainage'. Size outlets in accordance with AS/NZS 3500.3: 2018 as modified by NZBC E1/AS2.

3.54 SURFACE PREPARATION

Remove projections and all debris, leaving the surface dust-free, oil-free and clean, with nothing that could diminish the adhesion of primers. All surface defects and fasteners to be flushed out with **Equus Epar Epoxy Filler 802**. Allow to cure before membrane application. This to include any gaps because of irregularities in sheet edges at tight-butt joints.

3.55 PLYWOOD JOINTS

Apply a 150mm wide strip of 300 gsm chopped strand glass fibre mat centred over all joints and firmly bedded in **Equus Chevaline Dexx**, done after priming and before membrane application.

3.56 UPSTANDS, JUNCTIONS AND JOINTS

Apply a minimum of 150mm wide strip of 225 gsm or 300gsm glass fibre mat embedded in **Equus Chevaline Dexx** and centred on the transition/joint as additional stress reinforcement, after priming and before membrane application.

3.57 PRIME SUBSTRATES

Prime substrates thoroughly with **Equus Chevaline Epistixx** primer applied by roller or brush to **Equus** instructions. Include upstands to a minimum height of 100mm adjacent to all horizontal surfaces being coated.

3.58 ALLOW PRIMER TO DRY

Allow the primer to fully dry as recommended by **Equus Industries Ltd**. Prevent contamination of the primed surface prior to application of the membrane.

Where more than 48 hours passes without membrane application a second 'wash' coat of **Epistixx** primer will be required. The spreading rate for this coat will be in the order of 15-20 m² per litre.

3.59 APPLY CHEVALINE DEXX MEMBRANE

The membrane comprises **Equus Dexx** and 300 gsm glass fibre mats applied in the following sequence as a double layer system:

- 1st body-coat
- glass fibre mat (laid into wet bodycoat)
- 2nd body-coat
- glass fibre mat (laid at right angles to the first layer into wet body-coat)
- 3rd body-coat
- 4th body-coat

All **Equus Dexx** body-coats to be roller applied with a medium/long nap roller. Application to be in accordance with **Equus Industries Ltd** instructions particularly with regard to spreading rates and dry times, to ensure a sound tight membrane is achieved. Ensure that the reinforcement mat is well embedded in the wet material and that the body-coat application of the mat is well worked in to eliminate air-trap.

Finishing - to plywood car parking decks

3.60 WEARCOAT

Apply **Equus Traxx SHS** 48 to 72 hours after the last body-coat application to provide a stain and hydrocarbon resistance. Application to be at a spreading rate of 8 - 10 m² per litre applied in two roller coats or a single double-pass spray coat to ensure a complete seal is achieved.

3.61 UPSTANDS, COVERS, SUMPS

Take **Equus Dexx** membrane 150mm up all associated upstands and turned into any rainwater sumps that are incorporated in the floor deck. Apply a finish coat of **Equus Traxx 2000 Wearcoat** applied 8-10 m² per litre where permanent ponding is likely to occur. This can be substituted for the **Equus Traxx SHS Wearcoat** overall where required.

3.62 WATER ENTRY POINTS

Ensure all construction details which may allow water entry to the substrate beneath the membrane are adequately sealed in accordance with **Equus Industries Ltd** instructions.

3.63 MEMBRANE EDGE PROTECTION

Bolt low-profile hardwood or galvanised steel judder bars to the substrate, at points where traffic enters or leaves the **Equus Dexx** treated areas, to protect the membrane edge from scuffing.

3.64 TRAFFIC MARKINGS

Apply traffic markings using a brush, roller or spray coat of **Equus Chevaline Colourcure NS, Equus Colourseal** white or yellow, or conventional road-marking paint, after application of the **Equus Colourseal Wearcoat**.

3.65 ACCESS RAMPS

Access ramps are not treated using this system.

3.66 PLACING IN SERVICE

The treated areas may be placed in service 48 hours after **Equus Colourseal** application.

Completion - general

3.67 CLEAN UP

Clean up as the work proceeds.

3.68 ACCEPTANCE

- Arrange for an inspection of the completed work.
- Protect the membrane until completion of the contract works.

3.69 LEAVE

Leave this work in a sound and waterproof condition and free of any defect

3.70 REMOVE

Remove debris, unused materials and elements from the site.

4 SELECTIONS

For further details on selections go to https://equus.nz/
Substitutions are not permitted to the following, unless stated otherwise.

4.1 SUBSTRATE

Type: ~

4.2 EQUUS CHEVALINE DEXX ROOF & DECK MEMBRANE

Location:	~
Supplier:	Equus
Type:	Chevaline Dexx membrane
Reinforcement layer:	Chevaline Dexx glass fibre mat underlay
Membrane thickness:	~
Protective finish:	~
Colour/gloss:	~/gloss

Quality Assurance

Chevaline Dexx

Application of Chevaline Dexx to new plywood surfaces.

Specification No: P3011 **Date Prepared: May 2020**

Project & Address: _____

_____

Certified Applicator: _____

Building Contractor: _____

Building Owner/Property Manager: _____

1. Statement of Intent

(a) This checklist is to be completed by both the Equus Applicator and the Building Contractor, as a step by step record of compliance with both the Equus Specification provided for the contract, and the requirements of the Manufacturers for Warranty.

(b) A copy of this checklist must be forwarded to the nearest Regional Office of Equus Industries Ltd. A Warranty will not be issued by Equus Industries Ltd. without a copy of this Checklist being filed.

(a) A copy of this checklist should form part of the Contract Documentation filed with the Property Manager on job completion.

2. Areas Treated

The areas to which Membrane is applied are detailed below, with reference to plans (where appropriate).

_____

_____

_____

3. Sign Off

We confirm that all applicable processes listed in Section 4 have been correctly completed and that sign-off on each stage has been made by a person with the authority to do so.

For: _____ _____ (Signature)

(Building Contractor)

Date: ____/____/____ _____ (Name)

For: _____ _____ (Signature)

(Equus Applicator)

Date: ____/____/____ _____ (Name)

4. Checklist And Method Statement

***** Denotes those processes which must be signed off by the Building Contractor as well.

No.	Process	Completed On	Building Contractor	Equus Contractor	Notes
1.*	**Plywood** shall be a minimum of 17mm C-D structural plywood for roof areas , and a minimum of 21mm for trafficable deck areas.				
2.*	Timber framing correctly sized spaced and laid in accordance with NZS 3604.				
3.*	Plywood correctly laid - tight butted and screw fixed in adhesive bead with correct fixing spacings for site condition.				
4.*	Corrosion resistant fasteners used.				
5.*	Treated timber fillets installed at all upstand transitions. All plywood/timber edges chamfered. Outlets in place.				
6.*	Plywood surface accepted as satisfactory for **Dexx** installation by Equus Applicator.				
7.	All exposed surfaces correctly primed with _____ (Nominate primer used)				
8.	All **Dexx** detail strips of fibreglass in place at transitions, in doorways, and at wall upstands. Outlets in place.				
9.	First full **Dexx** coat in place with one layer of 300gsm E-mat embedded and wetted out and fibreglass mat correctly laid with teased laps.				
10.	Filling coat of **Dexx** laid and m fibreglass mat totally sealed off.				
11.	Second coat of **Dexx** applied at correct spreading rate to fill and cover surface.				
12.	Third coat of **Dexx** applied at correct spreading rate to fill and cover surface.				
13.*	**Dexx** surface checked for adequate cover and absence of pinholes, blemishes and 'proud' fibreglass. **Dexx** recoated where necessary to achieve required finish and base membrane complete.				
14.	**Dexx Wearcoat** correctly applied where a non-slip finish has been specified Fine/ Medium/Coarse (delete if non-applicable)				
15.	Final top coat(s) correctly applied using _____ (Nominate topcoat used)				
16.	For surfaces to receive tile overlay—full 24 hour pond test carried out successfully.				
17.*	Completed installation inspected and signed off.				

Equus Industries Ltd
PO Box 601
Blenheim
Phone: 03 578 0214
Email: admin@equus.nz
www.equus.nz

Quality Assurance

Chevaline Dexx

Application of Chevaline Dexx to concrete surfaces.

Specification No: P3012 **Date Prepared: May 2020**

Project & Address: _____

_____

Certified Applicator: _____

Building Contractor: _____

Building Owner/Property Manager: _____

1. Statement of Intent

(a) This checklist is to be completed by both the Equus Applicator and the Building Contractor, as a step by step record of compliance with both the Equus Specification provided for the contract, and the requirements of the Manufacturers for Warranty.

(b) A copy of this checklist must be forwarded to the nearest Regional Office of Equus Industries Ltd. A Warranty will not be issued by Equus Industries Ltd. without a copy of this Checklist being filed.

(a) A copy of this checklist should form part of the Contract Documentation filed with the Property Manager on job completion.

2. Areas Treated

The areas to which Membrane is applied are detailed below, with reference to plans (where appropriate).

_____

_____

_____

3. Sign Off

We confirm that all applicable processes listed in Section 4 have been correctly completed and that sign-off on each stage has been made by a person with the authority to do so.

For: _____ _____ (Signature)

(Building Contractor)

Date: ____/____/____ _____ (Name)

For: _____ _____ (Signature)

(Equus Applicator)

Date: ____/____/____ _____ (Name)

4. Checklist And Method Statement

* Denotes those processes which must be signed off by the Building Contractor as well.

No.	Process	Completed On	Building Contractor	Equus Contractor	Notes
1.*	Concrete surface correctly laid to falls and cured 28 days.				
2.*	Concrete surface finish U3 (NZS3114) achieved and free of laitance/detritus.				
3.*	Plaster coves and/or treated timber fillets installed and concrete edges chamfered.				
4.*	Concrete surface accepted as satisfactory for **Dexx** installation by Equus Applicator.				
5.*	All exposed surfaces correctly primed with _____ (Nominate primer used)				
6.*	All **Dexx** detail strips of fiberglass in place at transitions, in doorways, and at wall upstands. Outlets in place.				
7.	First full **Dexx** coat in place with one layer of 300gsm E-mat embedded and wetted out and fiberglass mat correctly laid with teased laps.				
8.	Filling coat of **Dexx** laid and m fiberglass mat totally sealed off.				
9.	Second coat of **Dexx** applied at correct spreading rate to fill and cover surface.				
10.	Third coat of **Dexx** applied at correct spreading rate to fill and cover surface.				
11.	**Dexx** surface checked for adequate cover and absence of pinholes, blemishes and 'proud' fiberglass. **Dexx** recoated where necessary to achieve required finish and base membrane complete.				
12.	**Dexx Wearcoat** correctly applied where a non-slip finish has been specified Fine/ Medium/Coarse (delete if non-applicable)				
13.*	Final top coat(s) correctly applied using _____ (Nominate topcoat used)				
14.	For surfaces to receive tile overlay—full 24 hour pond test carried out successfully.				
15.	Completed installation inspected and signed off.				

Equus Industries Ltd
PO Box 601
Blenheim
Phone: 03 578 0214
Email: admin@equus.nz
www.equus.nz

Building Compliance Technical Report

Chevaline Dexx Roof and Deck Membrane System

Equus Industries Ltd
Sheffield Street, Riverlands, Blenheim
PO Box 601, Blenheim
03 578 0214
info@equus.nz
www.equus.nz

Description

The Chevaline Dexx Roof and Deck Membrane System is a heavy bodied water-borne acrylic coating reinforced with fibre-glass mat. For applications where ponding can occur (gutters, flat decks and roofs) the system incorporates a Traxx 2000 Wearcoat as the final coat of the system.
Components of the Chevaline Dexx Roof and Deck Membrane System include:

- Chevaline Epistixx - A pigmented two-component waterborne epoxy coating based on a modified epoxy resin and polyaminoamide curing agent combination, used as an adhesion-promoting primer.
- Chevaline Dexx Primer - A waterborne modified acrylic primer, with special pigmentation to enhance stain-block and anti-rust capabilities. A general-purpose primer for Dexx on dry plywood and timber surfaces. Can also be used on galvanized and zincalume flashings.
- Chevprime PBT - an alternative primer for Plywood (LOSP treated), CLT or strandboard surfaces.
- Chevaline Dexx - a heavy-bodied water-borne acrylic paste ready to use from the container. It is formulated for high adhesion, and water resistance, also toughness combined with flexibility in the cured film. The Wear-coat contains graded silica for slip and wear resistance.
- 300gsm glass-fibre mat - Dexx is always used in conjunction with 300gsm glassfibre E-mat as reinforcement except for parapet detailing where 225gsm E-mat may be used.
- Chevaline Dexx Topcoat - A tough; flexible; gloss-finish, pigmented polyurethane/acrylic finishing coat. Waterborne for ease of use and formulated for maximum exterior durability, ease of cleaning, water resistance and excellent adhesion.
- Traxx 2000 Wearcoat - a UV-stable two-pot solvent-borne flexible aliphatic polyurethane available in either smooth or non-skid finish, depending on the service conditions, and provides additional protection against degradation from the sun's rays and the elements.

Intended Use

Chevaline Dexx Roof and Deck Membrane System is intended for use as a waterproofing membrane on old and new flat and near flat roofs, walk-out decks and patios, including where areas are subject to foot traffic and light vehicular traffic. It can be used as a waterproof membrane under tiles. The system is also intended for use as a liquid- applied flashing.

Conditions

1 The Chevaline Dexx Roof and Deck Membrane System is suitable for use:
  a applied to the following substrates: plywood, concrete, solid plaster, fibre cement sheeting, GRC, aerated concrete, mastic asphalt, bitumen membrane, plastic (PVC), metal (including precoated), timber and timber products
  b on buildings located
    i in any wind zone, and
    ii in any exposure zone (as defined in NZS 3604) except microclimates

2 The Chevaline Dexx Roof and Deck Membrane System shall be applied:
  i by an approved applicator, and
  ii in accordance with the manufacturer's instructions (product data sheets and standard specifications)

T14397A
Prepared by:
Tekton Consulting
www.tekton.co.nz

Technical Literature

• Standard Specification for the application of Chevaline Dexx on concrete surfaces P3012, April 2020

• Standard Specification for the application of Chevaline Dexx on Plywood roofs and light traffic decks P3011, April 2020

• Chevaline Dexx Technical Datasheet 301, August 2023

• Chevaline Epistixx Technical Datasheet 181, August 2023

• Chevaline Dexx Primer Technical Datasheet 304, August 2023

• Chevaline Dexx Topcoat Technical Datasheet 306, August 2023

• Traxx 2000 Wearcoat Technical Datasheet 153, September 2023

• Standard Methodology - Use of Chevaline Dexx as a Liquid Flashing, Ref: WA269 August 2023

• Chevaprime PBT Technical Datasheet 145, September 2023

• Chevaline Dexx SystemTechnical Datasheet, August 2023

• Standard Specification for the application of Chevaline Dexx overlay on existing Chevaline Dexx or other approved liquid membrane surface P3011-1, April 2020

• Standard Specification for the application of Chevaline Dexx waterproofing membrane to plywood carparking decks P3013, April 2020

• Standard Specification for the application of Chevaline Dexx Carpark waterproofing system to concrete surfaces P3017, April 2020

• Standard Specification for the application of Chevaline Dexx on concrete surfaces in Plantrooms and Bunds P3018, April 2020

Guidance for Consenting

The impermeability of the membranes requires that consideration be given to the effective control of moisture in the roof structure. Fully closed in construction spaces under the membrane without cross ventilation provided by the ceiling structure below, or soffit vents, must have adequate ventilation to prevent the accumulation of moisture.

Buillding Code Compliance

When used as described above, Chevaline Dexx Roof and Deck Membrane System meets or contributes to the following relevant performance requirements of the New Zealand Building Code

Clause B2 Durability: Performance Clauses B2.3.1 (a)*, B2.3.1 (b), B2.3.2* (* where difficult to access or replace e.g. where protected by tiles or screed)

Clause C3 Fire affecting areas beyond the fire source: Performance Clauses C3.4(b)

Clause D1 Access routes: Performance Clauses D1.3.3(d)

Clause E2 External moisture: Performance Clauses E2.3.1 (contributes to), E2.3.2, E2.3.7

Clause F2 Hazardous building materials: Performance Clauses F2.3.1

Supporting Information

• Acceptable Solutions and Verification Methods for New Zealand Building Code Clause B2 Durability Second edition (Amendment 12), 28 November 2019

• Acceptable Solutions and Verification Methods for New Zealand Building Code Clause D1 Access Routes Second edition (Amendment 6), 1 January 2017

• Verification Methods E2/VM1 and Acceptable Solutions E2/AS1, E2/AS2 and E2/AS3 for New Zealand Building Code Clause E2 External Moisture Third edition (Amendment 10), 5 November 2020

• Singapore Institute of Standards and Industrial Research "Evaluation of High Performance Water-based Liquid Applied Waterproofing System for Rooftop with Secondary Slabs for Public Housing Blocks", June 1994

• Singapore Institute of Standards and Industrial Research "Evaluation of Dexx Waterproofing System with Reinforcement", March 1996

• OPUS Slip Resistance Report D99032, "Chevaline Dexx with Chevaline Dexx Wearcoat", 27 June 1999

• BRANZ Test Report DC16839-01-1, Report on Testing of Chevaline Dexx Membrane to the Requirements of AS4654.1-2012, 9 March 2023

• BRANZ Test Report DC16839-02-01, Report on Testing of Chevaline Dexx Membrane to the Requirements of AS4858:2004, 4 May 2023

• AWTA Test Report 18-005761, Chevaline Dexx Waterproof Membrane, 22 January 2019

• Joyce Group Report JN: 6419 Verification of Chevaline Dexx Waterproofing System, May 2005

Clause B2 Durability: Performance Clauses B2.3.1 (a)*, B2.3.1 (b), B2.3.2* (* where difficult to access or replace e.g. where protected by tiles or screed)

Basis of Compliance: By comparison with Verification Method B2/VM1

The Chevaline Dexx Roof and Deck Membrane System has a successful history of use as a roof and deck membrane system in New Zealand for more than 40 years. Inspections on several buildings with Dexx installed between 1988 and 1991 reported by Joyce show the system performing well after 17 years service. Recent inspections on several other buildings with Chevaline Dexx applied showed the membranes in good condition and performing well after 12 years. SISIR testing showed retention of mechanical properties after accelerated aging and accelerated fluorescent UV/condensation aging with only a slight change in colour. Chevaline Dexx Membrane meets the requirements of AS4654.1-2012 Waterproofing membranes for external above-ground use Part 1: Materials, for abrasion resistance (pedestrian traffic), temperature resistance, ultraviolet resistance and durability.

Clause C3 Fire affecting areas beyond the fire source: Performance Clauses C3.4(b)

Basis of Compliance: By testing and comparison with Acceptable Solutions C/AS1 and C/AS2

The Chevaline Dexx Roof and Deck Membrane System suitable for use on exitways (and other areas) for all buildings. The Critical Radiant Flux when tested to ISO 9239.1 is greater than 11 kW/m2 and exceeds the minimum required by code clause C3.4(b).

Clause D1 Access routes: Performance Clauses D1.3.3(d)

Basis of Compliance: By testing and comparison with Acceptable Solution D1/AS1

The Chevaline Dexx Roof and Deck Membrane System is suitable for use on access routes. The coefficient of friction of Chevaline Dexx is 0.76 (dry) and 0.44 (wet). The coefficient of friction for Chevaline Dexx Wearcoat is 0.76 (dry) and 0.67 (wet).

Clause E2 External moisture: Performance Clauses E2.3.1 (contributes to), E2.3.2, E2.3.7

Basis of Compliance: By analysis and comparison with E2/AS1

This product is outside the scope of Acceptable Solution E2/AS1, and also outside the scope of the Code of Practice for Torch-on Membrane Systems for Roofs and Decks. However, the installation of the Chevaline Dexx Roof and Deck Membrane System and the construction details in the manufacturer's technical literature are consistent with the principles of those documents. Chevaline Dexx Membrane meets the requirements of AS4654.1-2012 Waterproofing membranes for external above-ground use Part 1: Materials, for cyclic movement. elongation at break, tensile strength, water vapour transmission rate and bond strength. Chevaline Dexx Roof and Deck Membrane System also meets the requirements of AS/NZS 4858:2004 Wet Area Membranes referenced by Acceptable Solution E2/AS1.

Clause F2 Hazardous building materials: Performance Clauses F2.3.1

Basis of Compliance: By comparison with the performance requirements of Building Code clause F2.3.1

Chevaline Dexx Roof and Deck Membrane System has no components giving rise to harmful concentrations at the surface of the material where the material is exposed or in the atmosphere of any space.

Supplementary Information

Chevaline Dexx is manufactured in New Zealand by Equus Industries Ltd (NZBN 9429032000306).

This product is not subject to any warning or ban declared by MBIE under section 26 of the Building Act 2004.

October 31, 2019

EQUUS Industries Limited
Sheffield Street, Riverlands,
Blenheim.
Attention Brian Greenall

A Product Technical Statement for –

Chevaline DEXX trafficable liquid applied membrane, supplied by EQUUS Industries Ltd.

1. Statement of Building Code Compliance

The **Chevaline DEXX** trafficable liquid applied membrane 'system', supplied by EQUUS Industries Ltd., (Chevaline DEXX system) will comply with the following performance clauses of the New Zealand Building Code (NZBC) based on the evidence described in the relevant sections of this document:

- **Clause B1.3.3 – Resistance to wind uplift, refer to Section 4.1**
- **Clause B2.3.1(b) – Durability for at least 15 years, refer to Section 4.2**
- **Clause C3.4 (b) – Fire affecting areas beyond the fire source, refer to Section 4.3**
- **Clause E2.3.1 – Suitable for snow falls, refer to Section 4.4**
- **Clause E2.3.2 – External Moisture resistance, refer to Section 4.5**
- **Clause F2.3.1 – Hazardous Materials absent, refer to Section 4.6**

2. Scope of Use (including limitations)

Chevaline DEXX is intended to be used as a trafficable waterproofing membrane over new and exixting residential and commercial roof and deck substrates, and for use in interior wet areas such as bathrooms, that have been surveyed, and prepared in accordance with the Chevaline DEXX Know How sheets WA223 (for plywood) dated Jan 2016 and WA224 (for wet areas)
Chevaline DEXX is to be applied only by EQUUS trained and approved applicators.
The condition of the substrate, including falls, shall be inspected by the approved applicator before work commences, but the condition and associated substructure shall be the responsibility of the building owner, or their agent.
Chevaline DEXX Specifications P3011 to P3015 inclusive detail the requirements of the substrates and relevant substructure required
On completion of the work, a Workmanship and Application Warranty is provided.
On completion of the work, the building owner is supplied with a maintenance schedule/document.

3. Consenting instructions

This Product Technical Statement is based on an independent review and assessment of the technical information supplied by the manufacturer, by a recognised experienced and competent entity.

This review included a review of the technical literature to ensure accuracy and ease of understanding.

This review also covered a quality management system that includes checklists and record-keeping, that may be accessed by BCA inspectors to verify compliance.

4. Basis for the assessment

As with any claim of compliance with performance clauses of the NZBC, appropriate evidence such as test reports, is required to be reviewed by a competent independent entity.

In addition, the technical literature including any drawings, warranty or maintenance statements need to be reviewed to ensure the absence of inaccurate, unclear or misleading statements. Any quality system related to the product shall likewise be reviewed.

Finally, any in-service history of the product, would be taken into account.
These matters have been taken into account in preparing this Product Technical Statement.

Chevaline DEXX is intended to be used as a trafficable waterproofing membrane over new and existing residential and commercial roof and deck substrates, and for interior wet areas such as bathrooms, that have been surveyed, prepared in accordance with the Chevaline DEXX Know How sheets WA223 (for plywood) dated Jan 2016 and WA224 (for wet areas)

The components of the Chevaline DEXX System encompass –

- Chevaline DEXX Primer (or in some cases Chevaline Epistixx or Chevaprime PBT)
- Chevaline DEXX body coat
- 300gsm glass fibre E-mat
- Correct Chevaline or Traxx topcoat for in-service durability of the installation

The product is a heavy-bodied acrylic membrane applied to a dry film thickness of between 1.2mm and 1.5mm** and reinforced with chopped fibreglass mat. It can be applied in a variety of colours to suit, but is most commonly supplied in a light grey colour.
**depending on the number of glass mat layers used

As mentioned, the Chevaline DEXX system comprises of a primer, at three applications of the acrylic body-coat incorporating a glass fibre mat. Where required, a wear-coat utilizing graded silica which provides excellent slip-resistance, or a coloured glaze coat, can be applied over the system. The application of either of these topcoats is mandatory in all exterior exposure applications

The nature of the primer and body coat ensure excellent adhesion to the specified substrates.

Chevaline DEXX is designed to provide a serviceable life of at least 15 years, provided that the specified maintenance has been carried out.

4.1 Compliance with B1.3.3 – Resistance to wind uplift
There is sufficient in-service history to verify the ability of the applied product to resist the forces associated with wind up-lift, including on buildings over over 10 m in height. This is due to the nature of the cohesive bond between the product and specified substrates.

4.2 Compliance with B2.3.1(b) - Durability for at least 15 years
In addition to the in-service history provided, the test data supplied, indicates a durability of the product system to perform in the specified environments, subject to the required maintenance, for a period of at least 15 years.

4.3 Compliance with C3.4 (b) floor surface materials – suitable for Exitways in all other buildings
Test data together with in-service history of the correctly installed Chevaline DEXX system over correctly designed and constructed substrates, show a resistance to fire affecting areas beyond the fire source.

4.4 Compliance with E2.3.1 – suitable for snow falls
Roofs and decks protected from the weather with Chevaline DEXX will also comply with performance clause E2.3.1 provided the substructure and drainage have been correctly designed.

4.5 Compliance with E2.3.2 – resistance to external moisture
Test data together with in-service history of the correctly installed Chevaline DEXX system over correctly designed and constructed substrates, show that the membrane resists the ingress of moisture.

4.6 Compliance with F2.3.1 – the absence of materials hazardous to occupants
Well known experience with the type of materials used together with in-service history, show that the Chevaline DEXX system complies with this performance requirement.

In summary, the test data, in-service history and this assessment, all demonstrate compliance of the Chevaline DEXX system with the above-mentioned performance clauses of the NZBC, when installed as described in the manufacturer's technical and quality system information.

C.R.Prouse – Principal
BEAL Professional Services Limited.

This PTS is a summary of an assessment of the manufacturer's information at the time of writing. Users are directed to the manufactuer's web site www.equus.co.nz to ensure that they have the most current version.

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
A.B.N 43 006 014 106
1st Floor, 191 Racecourse Road, Flemington, Victoria 3031
P.O Box 240, North Melbourne, Victoria 3051
Phone (03) 9371 2400 Fax (03) 9371 2499

TEST REPORT

Client : Equus Industries Ltd
PO Box 601
Blenheim
New Zealand

Test Number : 18-005761
Issue Date : 22/01/2019
Print Date : 23/01/2019

Sample Description

Clients Ref : "Chevaline Dexx Waterproof Membrane"
Coated rigid panel
Colour : Grey
End Use : Flooring
Nominal Composition : Fibreglass and Reinforced Acrylic/Polyurethane finish coat
Nominal Mass per Unit Area/Density : 1.48kg/m2
Nominal Thickness : Approx. 1.2mm

AS/ISO 9239.1-2003 **Reaction to Fire Tests for Floorings. Determination of the Burning Behaviour using a Radiant Heat Source**

Date of Sample Arrival 01/10/2018
Date Tested 21/01/2019

CHF Value	1	2	3	Mean	
Non Directional	≥11	≥11	≥11	-	kW/m²

HF-30 Value	1	2	3	Mean	
Non Directional	-	-	-	-	kW/m²

Smoke Value	1	2	3	Mean	
Non Directional	18	5	<4	-	%.min

154097 31119

Accredited for compliance with ISO/IEC 17025 - Testing
- Chemical Testing : Accreditation No. 983
- Mechanical Testing : Accreditation No. 985
- Performance & Approvals Testing : Accreditation No. 1356

Samples and their identifying descriptions have been provided by the client unless otherwise stated. AWTA Ltd makes no warranty, implied or otherwise, as to the source of the tested samples. The above test results relate only to the sample or samples tested. This document shall not be reproduced except in full and shall be rendered void if amended or altered. This document, the names AWTA Product Testing and AWTA Ltd may be used in advertising providing the content and format of the advertisement have been approved by the Managing Director of AWTA Ltd.

APPROVED SIGNATORY

MICHAEL A. JACKSON B.Sc (Hons)
MANAGING DIRECTOR

0204/11/06

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
A.B.N 43 006 014 106
1st Floor, 191 Racecourse Road, Flemington, Victoria 3031
P.O Box 240, North Melbourne, Victoria 3051
Phone (03) 9371 2400 Fax (03) 9371 2499

TEST REPORT

Client : Equus Industries Ltd
PO Box 601
Blenheim
New Zealand

Test Number : 18-005761
Issue Date : 22/01/2019
Print Date : 23/01/2019

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test, they are not intended to be sole criterion for assessing the potential fire hazard of the product in use.

Sample was conditioned in accordance with BSEN 13238:2010 at a temperature of 23±2°C and relative humidity of 50±5% for a minimum of 48 hours prior to testing.

Each specimen was clamped to a substrate of 6mm thick fibre reinforced cement board prior to testing.

HF30 not reported as flame out time occurred before 30 minutes.

Accredited for compliance with ISO/IEC 17025 - Testing
- Chemical Testing : Accreditation No. 983
- Mechanical Testing : Accreditation No. 985
- Performance & Approvals Testing : Accreditation No. 1356

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APPROVED SIGNATORY

MICHAEL A. JACKSON B.Sc (Hons)
MANAGING DIRECTOR

0204/11/06

EQUUS PRODUCT SYSTEM REFERENCE SHEET

Hebel block structure

Fibreglass encapsulation into wet Dexx bodycoat

Dexx and fibreglass detailing around skylights

Detailing to parapet and scupper

Finished roof

Project Name: Private residence, Orewa

Location: Auckland

Project Type: Residential

Project Size: 400 sqm

System: Equus Chevaline Dexx Membrane System

Certified Applicator: Total Waterproofing Ltd

Completion Date: 2006

Equus Industries Ltd

Email: info@equus.nz

Website: www.equus.nz

EQUUS PRODUCT SYSTEM REFERENCE SHEET

Original weathered copper roof

Chevaline Dexx base coat applied over copper

Copper Dexx Bodycoats with Fibreglass reinforcement

Chevaline Chemglaze protective clear finish applied

Finished project

Project Name: University of Auckland Clock Tower

Location: Auckland

Project Type: Infrastructure

Project Size: 100 sqm

System: Equus Chevaline Dexx Membrane System Refurbishment

Certified Applicator: APS Ltd

Completion Date: 2006

Equus Industries Ltd

Email: info@equus.nz

Website: www.equus.nz

CHEVALINE DEXX SYSTEM

Roof and deck waterproofing membrane

March 2024

PURPOSE AND AREAS OF USE:
The Chevaline Dexx Roof and Deck Membrane is a flexible, liquid applied waterproof membrane reinforced with a glass-fibre mat to provide a durable waterproofing solution for a range of situations.

The system is designed for use in sealing old and new flat and near flat roofs, walk out decks and patios but can be applied in a variety of areas including internal wet areas and plant rooms. The material is a heavy-bodied waterborne acrylic paste ready to use from the container. It is formulated for high adhesion and water resistance, with toughness combined with flexibility in the cured film. This makes it particularly useful where areas are subject to foot traffic.

Chevaline Dexx Roof and Deck Membrane is an easy to apply and maintain, economical waterproofing system with proven durability and UV resistance.

PRODUCT:
The system encompasses the products below. Refer to standard specifications P3011, P3011-1, P3012, P3018 for full specification details.

Chevaline Epistixx
Chevaline Dexx Primer
Fibreglass Mat
Chevaline Dexx
Chevaline Dexx Wearcoat
Chevaline Dexx Topcoat
Traxx 2000 Wearcoat
Traxx 2000 SHS Wearcoat

COLOUR:
Chevaline Dexx is supplied as Standard Grey (00-A-05) and White. Custom colours are available to match any colour chart.

SCOPE OF USE:
Chevaline Dexx Roof and Deck Membrane can be used on new and existing residential and commercial buildings. It is designed for sealing old and new flat and near-flat roofs, walk out decks and patios and is particularly suited where areas are subject to foot traffic. With the inclusion of Chevaline Dexx Wearcoat, the membrane is also applicable where non-slip finishes are required. The Traxx range of topcoats also allow the membrane to be used in areas where a heavier duty or chemical resistant finish is required such as interior/exterior plant rooms/decks.

Chevaline Dexx Roof and Deck Membrane can be applied in a wide range of waterproofing applications where approved by Equus Industries Ltd., including as an over-flashing or as a concealed saddle flashing.

The membrane system can also be used for light vehicular traffic (See **Chevaline Dexx Carpark Membrane**) and internal wet areas (See **Chevaline Dexx Wet Area Membrane**).

CONDITIONS OF USE:
Chevaline Dexx can be used with substrates meeting the requirements set out in the Specifications at www.equus.nz. The installation must be done by a Certified Equus Applicator. Verification of Applicator status can be confirmed by a current Applicator Certificate or by contacting Equus Industries Ltd. Any installation must be done in accordance with the latest specifications and technical documentation, or with written approval from Equus Industries Ltd.

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CHEVALINE DEXX SYSTEM

Roof and deck waterproofing membrane

March 2024

BUILDING CODE COMPLIANCE:
B2 Durability - B2.3.1 (a), B2.3.2 (a,b) Chevaline Dexx has a durability of at least 15 years when installed with the correct specification, installation and maintenance. Re-coating specifications are available to extend the life of the membrane.

C3 Fire affecting areas beyond the fire source - C3.4 (b) Chevaline Dexx test data together with in-service history of the correctly installed system show that the product limits the probability of fire spreading throughout the building. See AWTA Test Report 18-005761.

D1 Access routes - D1.3.3(d) Chevaline Dexx complies with D1/AS1 on level surfaces, and on level surfaces, and on sloping surfaces and stairs with the inclusion of Chevaline Dexx Wearcoat in the system. See Opus Slip Resistance Report.

E2 External moisture - E2.3.1, E2.3.2, E2.3.7 Chevaline Dexx test data together with in-service history of the correctly installed Chevaline Dexx System over correctly designed and constructed substrates, show that the membrane resists the ingress of moisture.

F2 Hazardous building materials - F2.3.1 Experience with the composition of materials used together with in-service history, show that Chevaline Dexx complies with this performance requirement. Refer to SDS at www.equus.nz

Refer to Tekton NZBC Compliance Report at www.equus.nz for further information on building code compliance.

SUPPORTING DOCUMENTATION:
The following additional documentation supports the above statements:

Title (type)	Version	URL
Tekton Consulting NZBC Compliance Report	8 November 2019	https://www.equus.nz/content/reports/tekton-dexx-nzbc-compliance.pdf
Tekton Consulting NZBC Compliance - Addendum Notice	15 April 2024	https://www.equus.nz/content/reports/tekton-dexx-nzbc-compliance-addendum.pdf
AWTA Product Test Chevaline Dexx (Test results)	January 2019	https://www.equus.nz/content/reports/awta-fire-testdexx-18-005761.pdf
Opus Slip Resistance Report Chevaline Dexx Wearcoat (Test results)	June 1999	https://www.equus.nz/content/reports/opus-slipresistance-dexx-D99032.pdf
Joyce Group Verification Report Chevaline Dexx (Test results)	May 2005	https://www.equus.nz/content/reports/joyceverification-dexx-JN6419.pdf
BRANZ Report DC16839-02-01 (AS/NZS4858:2004)	4 May 2023	https://www.equus.nz/content/reports/branz-test-report-dexx-DC16839-02.pdf

WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No

MANUFACTURER CONTACT DETAILS:

Manufacture location	New Zealand
Legal and trading name of manufacturer	Equus Industries Ltd.
Manufacturer address for service	4 Sheffield Street, Blenheim 7274
Manufacturer website	www.equus.nz
Manufacturer email	info@equus.nz
Manufacturer phone number	03 578 0214
Manufacturer NZBN	9429032000306

CHEVALINE DEXX

Flexible reinforced roof and deck membrane

February 2024

PURPOSE AND AREAS OF USE:
A liquid applied, glassfibre mat reinforced membrane for use in sealing old and new flat and near-flat roofs, walk-out decks and patios. Particularly useful where areas are subject to foot traffic and light vehicular traffic. Topcoats are available for various service conditions. Can also be used on specified substrates as a waterproof membrane under tiles, particularly in internal wet area applications. Dexx is always used in conformance with Equus Standard Specifications.

PRODUCT:
Chevaline Dexx is a heavy-bodied, water-borne acrylic liquid-applied waterproofing membrane reinforced with fibreglass mat. Intended as a flexible, waterproofing membrane for roofs, decks, patios, internal wet areas and with a variety of other external and internal uses. All Dexx body coats should be roller-applied with a medium/long nap-roller.

Chevaline Dexx is the body coat in the Chevaline Dexx Membrane System and must be used with an approved primer and topcoat, unless otherwise specified by Equus Industries Ltd. Can be installed over concrete, plywood, and other substrates including other membranes approved by Equus Industries Ltd.

PROCESS COMPATIBILITY:
Dexx is always used in conjunction with 300 gsm glassfibre E-mat as reinforcement except for parapet detailing where 225 gsm E-mat may be used. Dexx is compatible with the following primers - depending on substrate and environment: Dexx Primer, Chevaprime PBT, Chevaprime-U and Epistixx.

Dexx is compatible with the following topcoats, depending on environment and end-use. Dexx Topcoat, Dexx Wearcoat, Chevaline Colourglaze, Traxx 2000 Wearcoat. Refer to Standard Specifications for guidance on primer and topcoat usage.

COLOUR:
Dexx is supplied as standard in 00-A-05 (grey) and white. Custom colours are available to match any colour chart. We do not recommend dark colours on plywood roofs/decks. Seek advice from Equus if in doubt.

STANDARD PACK:
5 and 15 litre plastic pail.

PHYSICAL PROPERTIES:

Liquid Material	Dexx Bodycoat
Solids (% by volume)	47%
Specific Gravity	1.30
Flash Point (°C)	None
Shelf Life	3 years in original sealed container, when stored in cool, dry conditions.

Applied Film	Standard System
Flexibility	Passes 3 mm mandrel.
Durability	Excellent long term service.
Chemical Resistance	Very good resistance to all normal environmental pollutants.
Fungus Resistance	Chevaline Dexx contains a highly effective anti-fungal preparation.
Normal Film Thickness	1.2-1.5 mm depending on number of glass mat layers used.

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CHEVALINE DEXX

Flexible reinforced roof and deck membrane

February 2024

SCOPE OF USE:
Chevaline Dexx can be used on roofs, decks and other specified areas in existing or new residential or commercial buildings with normal foot traffic as described in the standard specification. Specifications are available for heavy and vehicular traffic.

It can be used over concrete and plywood substrates in any wind zone up to Extra High as defined in NZS3604.

CONDITIONS OF USE:
Chevaline Dexx can be used with substrates meeting the requirements set out in the specification at www.equus.nz. The installation must be done by a Certified Equus Applicator. Verification of Applicator status can be confirmed by a current Applicator Certificate or by contacting Equus Industries Ltd. Any installation must be done in accordance with the latest specifications and technical documentation, or with written approval from Equus Industries Ltd.

SURFACE PREPARATION:

Concrete Roofs and Decks:	Mosskill if necessary, patch all holes and pretreat cracks (but not movement joints), by cleaning out, filling with Thermexx Mortar or Schomburg BIS 0-2 and overlaying with 300 gsm fibreglass E-mat 150 mm strip embedded in Dexx. Ensure surface is well cleaned, and dry before proceeding with application.
Mastic Asphalt:	Ensure surface is level, and all holes and cracks are filled with a bituminous patch mix or Chevacryl Admix Plaster, particularly those where blisters have been cut out.
Exterior Plywood:	Ensure sheets are tight-butted, well fastened with stainless steel screws and glued to bearers and adequately supported. If in doubt about adequate below-surface ventilation, include venting either at upstands (with over-flashing) or with built-in vents. Support spacing must comply with NZS3604.
Priming:	Concrete, Mastic Asphalt, Previously coated surfaces: Dexx Primer or Epistixx.
Priming Plywood / Manufactured Timber / CLT:	Chevaprime PBT, Dexx Primer or Epistixx. Prime sheet backs and edges.

Spreading rates will generally be dictated by surface profile and porosity, but all Chevaline primers should be applied at between 8-10sqm/litre of mix.

APPLICATION METHOD:
All Dexx bodycoats and wearcoats should be roller-applied with a medium/long nap-roller. Final topcoats may be rolled or sprayed, preferably using airless equipment. Application sequence is as follows (on primed surface):

1.	Bodycoat
2.	Glass fibre mat (laid into wet bodycoat)
3.	Bodycoat
4.	*Bodycoat
5.	*Glass fibre mat
6.	*Bodycoat
7.	Bodycoat
8.	Wearcoat/Topcoat

(* optional items depending on service conditions)

Minimum spreading rate for the three-coat bodycoat system is 1.5 litres/sqm. Care must be taken to ensure that the reinforcing mat is well embedded in the wet material and that the bodycoat application to the mat is well worked in to eliminate air-trap.

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CHEVALINE DEXX

Flexible reinforced roof and deck membrane

February 2024

APPLICATION PROPERTIES:

Spreading rate:

3 coat system:	2.0-2.5 sqm/litre/coat (30-37.5 sqm/15 litre pail/coat)
4 and 5 coat system:	2.25-2.75 sqm/litre/coat (34-36 sqm/15 litre pail/coat)
Dexx Wearcoat	3.0-6.0sqm/litre depending on texture (45-90 sqm/l15 litre pail/coat)
Dexx Topcoat/Colourglaze	10 sqm/litre (150sqm/15 litre pail). Spreading rates indicated must **not** be exceeded if satisfactory performance is to be achieved.
Traxx 2000 Wearcoat	10 sqm/litre

Dry time(18-23°C, 60-70%RH Cooler and/or more humid conditions may prolong dry times)**:**
Do not apply Dexx in air temperatures less than 8°C or when surface temperature is less than 4°C. Use Dexx FD in adverse conditions.

Touch dry (per coat)	1-2 hours
Through dry (per coat)	8-16 hours
Full hardness (per system)	7-10 days for full cure.

Recoat time:

Dexx Wearcoat	12-24 hours
Colourglaze / Dexx Topcoat	12-24 hours
Traxx 2000 Wearcoat	Allow 48 hours minimum. At least 72 hours in winter.

THINNING / CLEANING UP:

Use clean water for both. Clean equipment immediately after use. Fully dried material is difficult to remove.

MAINTENANCE:

When Dexx is used as an exposed membrane, topcoat renewal will be required at 5-10 yearly intervals, depending on topcoats type and service conditions. Clean by medium pressure water washing, with detergent injection on trafficable areas, and recoat. If mechanical damage to the membrane has occurred, this can be easily repaired prior to re-topcoating.

BUILDING CODE COMPLIANCE:

B2 Durability - B2.3.1 (a), B2.3.2 (a,b) Chevaline Dexx has a durability of at least 15 years when installed with the correct specification, installation and maintenance. Re-coating specifications are available to extend the life of the membrane.

C3 Fire affecting areas beyond the fire source - C3.4 (b) Chevaline Dexx test data together with in-service history of the correctly installed system show that the product limits the probability of fire spreading throughout the building. See AWTA Test Report 18-005761.

D1 Access routes - D1.3.3(d) Chevaline Dexx complies with D1/AS1 on level surfaces, and on level surfaces, and on sloping surfaces and stairs with the addition of aggregate to create Chevaline Dexx Wearcoat. See Opus Slip Resistance Report.

E2 External moisture - E2.3.1, E2.3.2, E2.3.7 Chevaline Dexx test data together with in-service history of the correctly installed Chevaline Dexx System over correctly designed and constructed substrates, show that the membrane resists the ingress of moisture.

F2 Hazardous building materials - F2.3.1 Experience with the composition of materials used together with in-service history, show that Chevaline Dexx complies with this performance requirement. Refer to SDS at www.equus.nz

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CHEVALINE DEXX

Flexible reinforced roof and deck membrane

February 2024

SUPPORTING DOCUMENTATION:
The following additional documentation supports the above statements:

Title (type)	Version	URL
Beal PTS Chevaline Dexx (Design Test results)	31 October 2019	https://www.equus.nz/content/reports/beal-ptsdexx.pdf
AWTA Product Test Chevaline Dexx (Test results)	January 2019	https://www.equus.nz/content/reports/awta-fire-testdexx-18-005761.pdf
Opus Slip Resistance Report Chevaline Dexx Wearcoat (Test results)	June 1999	https://www.equus.nz/content/reports/opus-slipresistance-dexx-D99032.pdf
Joyce Group Verification Report Chevaline Dexx (Test results)	May 2005	https://www.equus.nz/content/reports/joyceverification-dexx-JN6419.pdf
BRANZ Report DC16839-02-01 (AS/NZS4858:2004)	04 May 2023	https://www.equus.nz/content/reports/branz-test-report-dexx-DC16839-02.pdf

WARRANTY:
Up to 15 years depending on location and service conditions.

HEALTH AND SAFETY:
Chevaline Dexx is a waterborne material and contains no mammalian-toxic substances. It is non flammable and requires no special storage conditions other than protection from frost or prolonged heat. However, we do recommend the use of barrier cream on hands, and safety spectacles when handling/applying this material.

TRANSPORT AND STORAGE:
Shipping Restrictions: None.
Store material under cover and out of direct sunlight. Do not subject stored material to frost or ambient temperatures exceeding 40°C.

WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No

MANUFACTURERS CONTACT DETAILS:

Manufacture location	New Zealand
Legal and trading name of manufacturer	Equus Industries Ltd.
Manufacturer address for service	4 Sheffield Street, Blenheim 7274
Manufacturer website	www.equus.nz
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Manufacturer phone number	03 578 0214
Manufacturer NZBN	9429032000306

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CHEVALINE DEXX TOPCOAT

UV resistant finishing coat for the Chevaline Dexx waterproofing membrane

February 2024

PURPOSE AND AREAS OF USE:
A highly durable glossy finishing coat for use as an integral part of the Chevaline Dexx System on walkout decks and similar trafficable areas.

PRODUCT:
Chevaline Dexx Topcoat is a tough; flexible; gloss-finish, pigmented polyurethane/acrylic finishing coat. Waterborne for ease of use and formulated for maximum exterior durability, ease of cleaning, water resistance, excellent adhesion and UV resistance.

A highly durable Gloss or Satin finishing coat for use as an integral part of the Chevaline Dexx System on roofs, decks, balconies and similar traffcable areas.

Chevaline Dexx Topcoat is the topcoat in the Chevaline Dexx Membrane System with approved body coats and primers.

PROCESS COMPATIBILITY:
Formulated as a finishing coat for the Chevaline Dexx Flexible Reinforced Roof and Deck Membrane System.

COLOUR:
Available in all standard Equus Keim and BS5252 colours. May also be matched with other colours but a tinting charge may be applicable.
NB: The use of deep colours in exterior situations is not recommended because of the stress that may be imparted to the building's fabric through excessive heat absorption. Advice should be sought regarding this and special colour matching through your Equus Representative.

STANDARD PACK:
5 litre and 15 litre plastic pail.

PHYSICAL PROPERTIES:

Liquid Material	Dexx Bodycoat
Solids (% by volume)	39% approx.
Specific Gravity	1.1-1.2
Flash Point (°C)	None - water-based product
Shelf Life	3 years in original sealed container, when stored in cool, dry conditions.

Applied Film	Standard System
Flexibility	Passes 3 mm mandrel
Durability	Excellent long term service can be expected. The coating has been specially formulated for maximum UV resistance and weatherability.
Chemical Resistance	Good resistance against general atmospheric pollutants, domestic cleansers and normal household pollutants. Limited resistance to solvents and oils.
Fungus Resistance	Chevaline Dexx Topcoat contains a highly effective anti-fungal preparation which does not contain toxic metals or phenols.
Normal Film Thickness	25-35 microns dft per coat.

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CHEVALINE DEXX TOPCOAT

UV resistant finishing coat for the Chevaline Dexx waterproofing membrane

February 2024

SCOPE OF USE:
Chevaline Dexx Topcoat can be used on roofs, decks and other specified areas in existing or new residential or commercial buildings in accordance with the standard Dexx specification.

Suitable as a finished coating or can be overlaid with tiles, pedestals & decking materials.

CONDITIONS OF USE:
Chevaline Dexx Topcoat is not suitable for public high foot traffic or vehicular traffic areas.

The installation must be done by a Certified Equus Applicator. Verification of Applicator status can be confirmed by a current Applicator Certificate or by contacting Equus Industries. Any installation must be done in accordance with the latest specifications and technical documentation, or with written approval from Equus Industries.

SURFACE PREPARATION:

1. Previously coated Dexx surfaces (old or new):	Dexx surfaces overcoated with Chevaline Colourglaze, Traxx Colourseal or Chevaline Dexx Topcoat, or presently not overcoated. Ensure the surface is clean and dry. If necessary use medium pressure water to ensure the surface is thoroughly clean. Old surfaces, repair any existing mechanical damage with the Dexx process prior to recoating.
2. All other surfaces	Clean as in 1 above and apply a test area of Chevaline Dexx Topcoat to determine adhesion before proceeding with the complete treatment.
Priming:	
1.	New Dexx, or existing Dexx Membrane finished with Chevaline Colourglaze, Chevaline Dexx Topcoat. No priming required.
2.	On other deck membrane surfaces. If a test patch, or obvious surface conditions indicate the need to prime, refer to the nearest Equus Office or your Equus Representative for primer recommendation.

APPLICATION METHOD:

Brush or Roller:	Thinning generally not required.
Spray: (Airless or Air Assisted)	Thin up to 30% by volume with clean water, as needed.
Spreading rate:	9-12 sqm/litre.
Dry time:	Touch dry 1-2 hours. Through dry 2-4 hours.
Clean up / Thinning:	Clean tap water.

MAINTENANCE:
Chevaline Dexx Topcoat is a low maintenance finish. It is recommended that it be washed at least every three months with a weak (0.1%) neutral detergent and well rinsed with clean water.

As the purpose of Chevaline Dexx Topcoat is to protect the underlying membrane and maintain its overall finish, recoating should be timed to occur before damage is caused to the underlying surface. Simply wash with a weak (0.1%) neutral detergent solution, rinse and dry before recoating with Chevaline Dexx Topcoat.

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CHEVALINE DEXX TOPCOAT

UV resistant finishing coat for the Chevaline Dexx waterproofing membrane

February 2024

WARRANTY:
Chevaline Dexx Topcoat is an integral component of the Chevaline Dexx Reinforced Roof and Deck Membrane System and the Warranty applicable is that of the Chevaline Dexx System it is an integral part of.

When Chevaline Dexx Topcoat is used to recoat an existing Chevaline Dexx Membrane surface; any existing Process Warranty may be reviewed and possibly extended.

HEALTH AND SAFETY:
Wear barrier cream when handling this product, and cartridge mask and goggles when spraying. It is a waterborne material and therefore is non flammable. However, it is recommended NOT TO SMOKE when handling or applying the material. No special storage conditions are required other than protection from frost and prolonged heat.

WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No

MANUFACTURERS CONTACT DETAILS:

Manufacture location	New Zealand
Legal and trading name of manufacturer	Equus Industries Ltd.
Manufacturer address for service	4 Sheffield Street, Blenheim 7274
Manufacturer website	www.equus.nz
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Manufacturer phone number	03 578 0214
Manufacturer NZBN	9429032000306

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CHEVALINE DEXX PRIMER

General purpose primer for Chevaline Dexx system

February 2024

PURPOSE AND AREAS OF USE:
A general purpose primer for Dexx on dry plywood and timber surfaces. Can also be used on galvanised and zincalume flashings.

PRODUCT:
A waterborne modified acrylic primer, with special pigmentation to enhance stain-block and anti-rust capabilities.

STANDARD PACK:
5 and 15 litre plastic pails.

PHYSICAL PROPERTIES:

Liquid Material	Dexx Bodycoat
Solids (% by volume)	38% approx.
Specific Gravity	1.22
Flash Point (°C)	None - water-based product
Shelf Life	3 years in original sealed container, when stored in cool, dry conditions and protect from frosts.

Applied Film	Standard System
Flexibility	Passes 3 mm mandrel
Adhesion	Excellent adhesion to the surfaces listed in “Areas of Use”, except on timbers such as Matai and Totara.
Fungus Resistance	Chevaline Dexx Primer contains a highly effective mould-resistant additive which does not contain toxic metals or phenols.

SCOPE OF USE:
Chevaline Dexx Primer is used as a primer coat on plywood and timber surfaces for the Chevaline Dexx Roof and Deck membrane system. When installed as a primer with the correct system specification it is suitable for waterproofing roofs, decks, internal wet areas and other specified areas in existing or new residential or commercial buildings.

CONDITIONS OF USE:
Chevaline Dexx Primer must be used in accordance with the parameters and instructions mentioned in this TDS, or in other Equus approved technical documentation. Chevaline Dexx Primer must be used as a part of an approved Equus system unless otherwise specified by Equus Industries.

Not suitable for substrates other than plywood or timber except where approved by Equus Industries. For substrate conditions see **Surface Preparation.**

SURFACE PREPARATION:
Ensure surface to be coated is free of dust and contamination. Oil contamination on galvanised steel should be removed by scrubbing with clean water and detergent and rinsing well.

Timber and stopped board lining surfaces should be sanded and swept to remove all imperfections particularly where a smooth finish is required.

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CHEVALINE DEXX PRIMER

General purpose primer for Chevaline Dexx system

February 2024

APPLICATION METHOD:
By brush, roller or spray direct from pail. Thinning is not normally required.

APPLICATION PROPERTIES:

Spreading rate:

Theoretical	10-12 sqm/litre
Practical	8-10 sqm/litre
Recommended film thickness	3.0-6.0 sqm/litre depending on texture (45-90 sqm/l15 litre pail/coat)

Dry time:

Touch dry	1-2 hours
Recoat time	6-8 hours

THINNING / CLEANING UP:
Use clean water.

BUILDING CODE COMPLIANCE:
For information on compliance with the New Zealand Building Code refer to the relevant Equus System TDS.

HEALTH AND SAFETY:
Dexx Primer is a waterborne material, is non flammable and contains no mammalian-toxic substances. It requires no special storage conditions other than protection from frost. We recommend the use of barrier cream on exposed skin when handling this material.

WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No

MANUFACTURERS CONTACT DETAILS:

Manufacture location	New Zealand
Legal and trading name of manufacturer	Equus Industries Ltd.
Manufacturer address for service	4 Sheffield Street, Blenheim 7274
Manufacturer website	www.equus.nz
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CHEVALINE EPISTIXX

Multi-use waterborne epoxy primer/bodycoat

February 2024

PURPOSE AND AREAS OF USE:
A multi-use waterborne epoxy primer/bodycoat for use on most building surfaces. Generally used as an adhesion-promoting primer for Traxx flooring, or in situations where solvent release during application is not desirable. Where high-gloss and trueness of pastel colours is not important, may be used as a finish coat.

PRODUCT:
A pigmented two-component waterborne epoxy coating based on a modified epoxy resin and polyaminoamide curing agent combination.

PROCESS COMPATIBILITY:
Exhibits excellent adhesion to most common building materials, particularly those that are mineral-based. May be overcoated with Traxx Primers, Traxx Colourseal, Traxx Smooth/NS, Traxx SL, Chevaline Dexx, Chevaline Colourcure, Chevaline Colourcure2, Chevaline Coverall, Chevaline Coverflexx, Equus/Tremco urethane membranes.

COLOUR:
Standard colour is off-white. Mid and deep tone colours can be supplied as close matches on demand, subject to minimum order quantities. Pastel colours, when required are a near-match only.

STANDARD PACK:
1, 3.5, 9 litre units. Units A & B are both packed in plastic pails.

PHYSICAL PROPERTIES:

Liquid Material	Mixed	Unit A	Unit B
Solids (% by volume)	45%	99%	21%
Specific Gravity	1.21	1.67	1.01
Flash Point (°C)	-	> 100	-
Shelf Life	-	3 years	2 years
Appearance		Pigmented	Clear Brown

Applied Coating	
Wear resistance (ASTM D1043-73)	<55mg/1000 cycles
Chemical resistance:	
Fresh water	Excellent
Brine and salt	Excellent
Fuels and greases	Excellent
Petrol and hydrocarbon solvents	Excellent
Caustic soda 10%	Very good
Inorganic acids	Fair to good
Suitable for potable water applications	Consult Manufacturer for specific advice where necessary.

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CHEVALINE EPISTIXX

Multi-use waterborne epoxy primer/bodycoat

February 2024

SCOPE OF USE:
Chevaline Epistixx is generally used as a primer coat in a range of Equus flooring and waterproofing systems; Generally, the Chevaline Epistixx Rapid Floor Coating System, Traxx Floor Coating System and Chevaline Dexx Waterproofing membrane. It can be used over a variety of substrates including new or existing concrete and plywood. When installed as a primer with the correct system specification it is suitable for light-heavy duty interior floor finishes, hygiene and clean rooms, food processing, and the waterproofing of roofs and decks.

CONDITIONS OF USE:
Chevaline Epistixx must be used in accordance with the correct specifications and substrates mentioned in this TDS, or in other Equus approved technical documentation. Chevaline Epistixx must be used as a part of an approved Equus system unless otherwise specified by Equus Industries.

Not suitable for exterior conditions or in areas of with UV exposure except where specifically approved by Equus Industries.

SURFACE PREPARATION:
Concrete plaster: Must be free of all contamination, clean and dry to touch. Surface imperfections should be filled with epoxy mortar.

Steel: Should be clean and primed with Protexx Zincure.

Old painted surfaces: Should be sanded clean and with all unsound material removed. Check compatibility with a test patch.

Stone, slate and tiles: Must be free of all contamination. Glazed tiles should be sanded to ‘open’ the surface.

APPLICATION METHOD:
Units A and B for a batch must be thoroughly mixed by adding Unit A to Unit B and drill mixing for 4-5 minutes until completely homogeneous. The mixed material should then be diluted with clean water, the quantity used depending on end use.

Primer:	1.3-2.5 litres water per 3.5 litre unit
Bodycoat:	0.5-1.5 litres water per 3.5 litre unit

APPLICATION PROPERTIES:

Spreading rate:

As a primer	8-12 sqm/litre depending on surface density.
As bodycoat	5-7 sqm/litre
As topcoat	7-10 sqm/litre
All rates are per litre as supplied. Normal d.f.t. for a 3 coat system is 160-180µm	

Pot Life:

As primer (maximum dilution)	4-6 hours
As bodycoat (minimum dilution)	1.5-2 hours

Dry time(15°C, 60%RH)**:**

As primer (maximum dilution)	4-6 hours
As bodycoat (minimum dilution)	1.5-2 hours
Cure time	7-10 days for full three-coat system. **Note** that low temperatures and/or high humidities will considerably retard dry and cure times. Do not apply in temperatures below 5ºC or relative humidity greater than 85%.

THINNING / CLEANING UP:
Thin with clean tap water. Clean up gear by rinsing with water, then wiping with Xylol.

Equus Industries Ltd. 4 Sheffield St, Blenheim 7274 | Phone: 03 578 0214 | Email: info@equus.nz | Web: www.equus.nz

CHEVALINE EPISTIXX

Multi-use waterborne epoxy primer/bodycoat

February 2024

SPECIFICATION NOTES:
Although Chevaline Epistixx is waterborne, allow adequate ventilation, not so much for safety reasons as to ensure adequate inter-coat/final drying occurs.

When used as a decorative finish externally or in areas of high UV intensity, it is recommended that Colourcure be used as the final topcoat to inhibit chalking and colour change.

BUILDING CODE COMPLIANCE:
For information on compliance with the New Zealand Building Code refer to the relevant Equus system TDS.

HEALTH AND SAFETY:
Wear barrier cream when handling Epistixx to prevent epoxy sensitisation and possible dermatitic effects. Always store above 0ºC to prevent possible deterioration in the unmixed components. Do not smoke while handling the materials.

TRANSPORT AND STORAGE:

Unit A	No restriction
Unit B	No restriction

WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No

MANUFACTURERS CONTACT DETAILS:

Manufacture location	New Zealand
Legal and trading name of manufacturer	Equus Industries Ltd.
Manufacturer address for service	4 Sheffield Street, Blenheim 7274
Manufacturer website	www.equus.nz
Manufacturer email	info@equus.nz
Manufacturer phone number	03 578 0214
Manufacturer NZBN	9429032000306

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CHEVAPRIME U

Corrosion and stain resistant primer

February 2024

PURPOSE AND AREAS OF USE:
A corrosion and stain resistant primer for use on galvanised steel, timber composites, and interior board linings.

PRODUCT:
A waterborne modified acrylic primer, with special pigmentation to enhance stain-block and anti-rust capabilities.

PROCESS COMPATIBILITY:
Use as a primer for Acrutexx, Colourglaze, Coverall, Covercryl, Dexx, Extracover, and Flexx.

STANDARD PACKS:
4, 10 and 20 litre plastic pails.

PHYSICAL PROPERTIES:

Liquid Material	
Solids (% by volume)	38%
Specific Gravity	1.22
Flash Point	Not applicable - waterborne material
Shelf Life	Three years in original sealed containers when stored in cool dry conditions and protected from frosts.

Applied Film	
Flexibility	Passes 2 mm mandrel
Adhesion	Excellent adhesion to the surfaces listed in “Areas of Use”, except on timbers such as Matai and Totara.
Fungus Resistance	Chevaprime U contains a highly effective mould-resistant additive which does not contain toxic metals or phenols.

SURFACE PREPARATION:
Ensure surface to be coated is free of dust and contamination. Oil contamination on galvanised steel should be removed by scrubbing with clean water and detergent and rinsing well.

Timber and stopped board lining surfaces should be sanded and swept to remove all imperfections particularly where a smooth finish is required.

APPLICATION METHOD:
By brush, roller or spray direct from pail. Thinning is not normally required.

APPLICATION PROPERTIES:

Spreading Rate:

Theoretical	10-12 sqm/litre
Practical	8-10 sqm/litre
Recommended film thickness	35 µm

Dry times:

Touch dry	1-2 hours
Recoat time	6-8 hours

Thinning/Cleanup: Water

HEALTH AND SAFETY:
Chevaprime U is a waterborne material, is non flammable and contains no mammalian-toxic substances. It requires no special storage conditions other than protection from frost. We recommend the use of barrier cream on exposed skin when handling this material.

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CHEVAPRIME U

Corrosion and stain resistant primer

February 2024

WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No

MANUFACTURERS CONTACT DETAILS:

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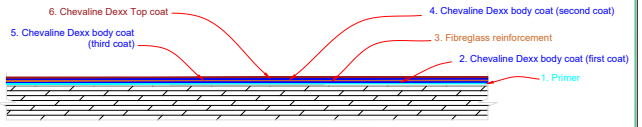

General Notes:

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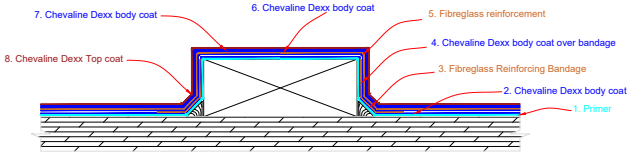
PROJECT:	Chevaline Dexx				
Title:	Chevaline Dexx Build up (Plywood)				
Number:	DP1.1			Scale:	NTS
Drawn by:	Soulian	Date:	05/08/19	Modified:	REV-01
Approved by:	Callum McDougall			Date:	05/08/19
Signature:	Callum McDougall				



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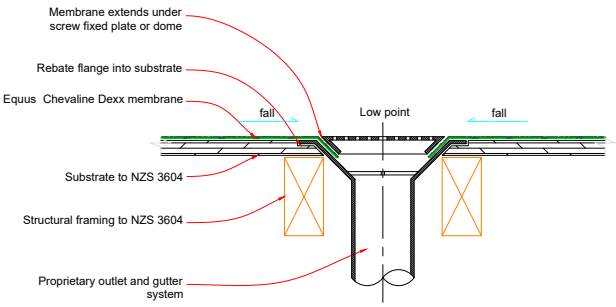
PROJECT:	Chevaline Dexx				
Title:	Plinth Detail (Plywood)				
Number:	DP1.2			Scale:	NTS
Drawn by:	Soulian	Date:	05/08/19	Modified:	REV-01
Approved by:	Callum McDougall			Date:	05/08/19
Signature:	Callum McDougall				



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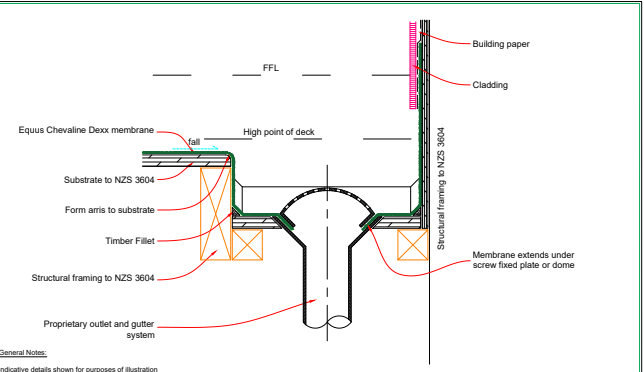
PROJECT:	Chevaline Dexx				
Title:	Typical Gutter Detail (Plywood)				
Number:	DP2.1			Scale:	NTS
Drawn by:	Soulian	Date:	10/12/17	Modified:	REV-01
Approved by:	Callum McDougall			Date:	11/12/17
Signature:	Callum McDougall				



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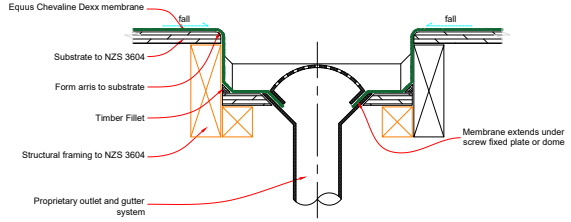
PROJECT:	Chevaline Dexx				
Title:	Edge Gutter Detail (Plywood)				
Number:	DP2.2			Scale:	NTS
Drawn by:	Soulian	Date:	10/12/17	Modified:	REV-01
Approved by:	Callum McDougall			Date:	11/12/17
Signature:	Callum McDougall				



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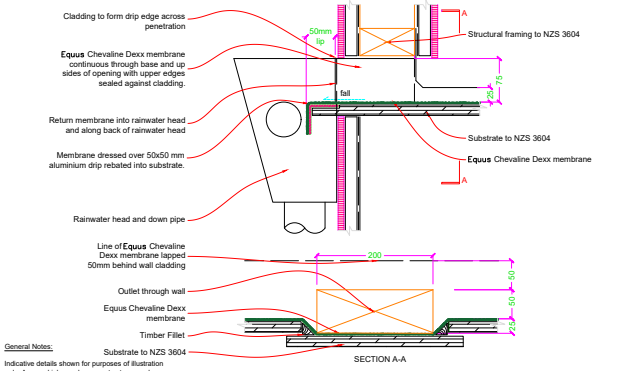
PROJECT:	Chevaline Dexx				
Title:	Central Gutter Detail (Plywood)				
Number:	DP2.3			Scale:	NTS
Drawn by:	Soulian	Date:	10/12/17	Modified:	REV-01
Approved by:	Callum McDougall			Date:	11/12/17
Signature:	Callum McDougall				



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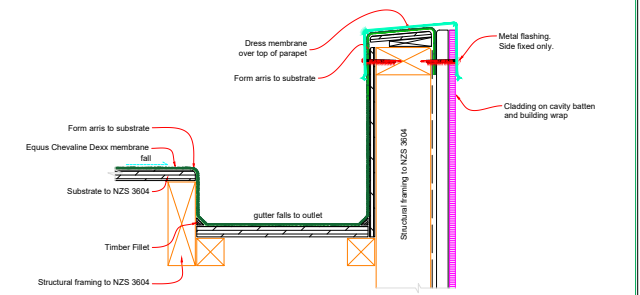
PROJECT:	Chevaline Dexx				
Title:	Scupper Outlet Detail (Plywood)				
Number:	DP2.4			Scale:	NTS
Drawn by:	Soulian	Date:	10/12/17	Modified:	REV-01
Approved by:	Callum McDougall			Date:	11/12/17
Signature:	Callum McDougall				



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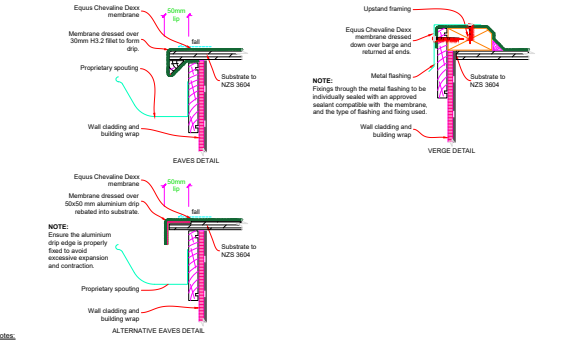
PROJECT:	Chevaline Dexx				
Title:	Internal Gutter Detail (Plywood)				
Number:	DP2.5			Scale:	NTS
Drawn by:	Soulian	Date:	10/12/17	Modified:	REV-01
Approved by:	Callum McDougall			Date:	11/12/17
Signature:	Callum McDougall				



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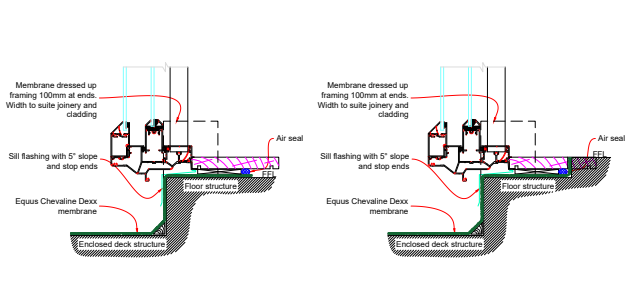
PROJECT:	Chevaline Dexx				
Title:	Verge and Eaves Details (Plywood)				
Number:	DP3.1			Scale:	NTS
Drawn by:	Soulian	Date:	10/12/17	Modified:	REV-01
Approved by:	Callum McDougall			Date:	11/12/17
Signature:	Callum McDougall				



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PROJECT:	Chevaline Dexx				
Title:	Sliding Door Sill Detail (Plywood)				
Number:	DP4.1			Scale:	NTS
Drawn by:	Soulian	Date:	10/12/17	Modified:	REV-01
Approved by:	Callum McDougall			Date:	11/12/17
Signature:	Callum McDougall				

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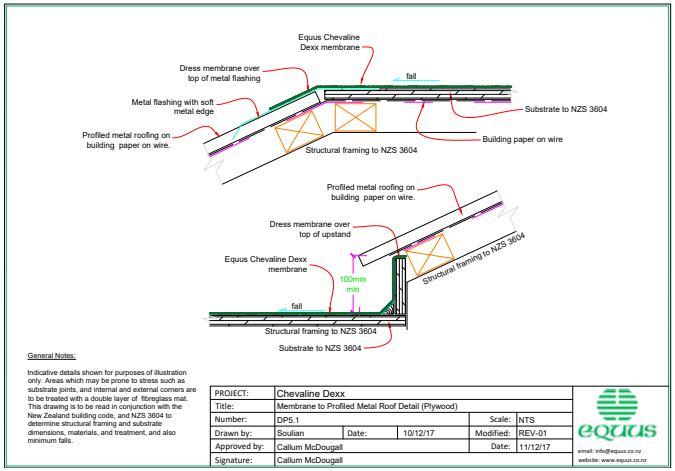

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PROJECT:	Chevaline Dexx				
Title:	Membrane to Profiled Metal Roof Detail (Plywood)				
Number:	DP5.1			Scale:	NTS
Drawn by:	Soulian	Date:	10/12/17	Modified:	REV-01
Approved by:	Callum McDougall			Date:	11/12/17
Signature:	Callum McDougall				

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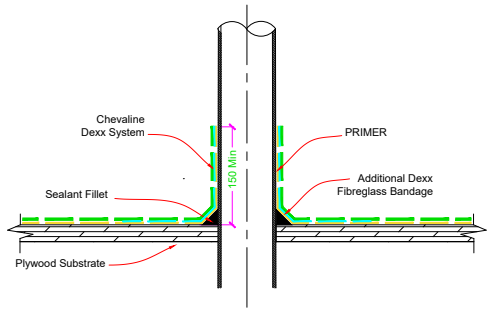

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PROJECT:	Chevaline Dexx				
Title:	Pipe Penetration Detail (Plywood)				
Number:	DP6.1			Scale:	NTS
Drawn by:	Soulian	Date:	24/05/19	Modified:	REV-02
Approved by:	Callum McDougall			Date:	24/05/19
Signature:	Callum McDougall				

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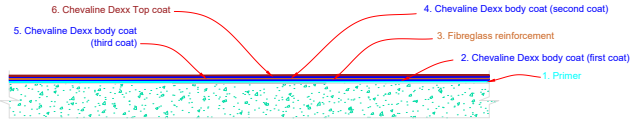

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PROJECT:	Chevaline Dexx				
Title:	Chevaline Dexx Build up (Concrete)				
Number:	DC1.1			Scale:	NTS
Drawn by:	Soulian	Date:	05/08/19	Modified:	REV-01
Approved by:	Callum McDougall			Date:	05/08/19
Signature:	Callum McDougall				

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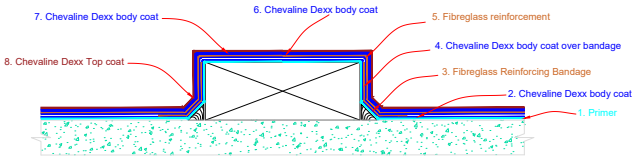

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PROJECT:	Chevaline Dexx				
Title:	Plinth Detail (Concrete)				
Number:	DC1.2			Scale:	NTS
Drawn by:	Soulian	Date:	05/08/19	Modified:	REV-01
Approved by:	Callum McDougall			Date:	05/08/19
Signature:	Callum McDougall				

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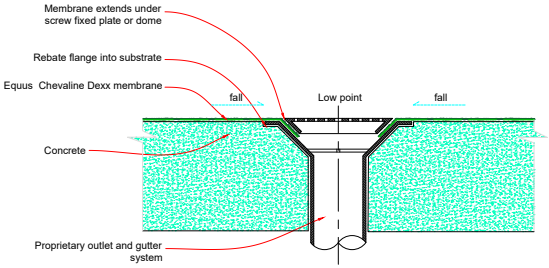

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PROJECT:	Chevaline Dexx				
Title:	Typical Gutter Detail (Concrete)				
Number:	DC2.1			Scale:	NTS
Drawn by:	Soulian	Date:	10/12/17	Modified:	REV-01
Approved by:	Callum McDougall			Date:	11/12/17
Signature:	Callum McDougall				

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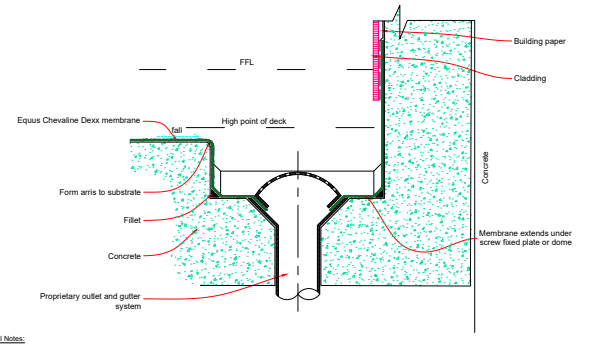

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PROJECT:	Chevaline Dexx				
Title:	Edge Gutter Detail (Concrete)				
Number:	DC2.2			Scale:	NTS
Drawn by:	Soulian	Date:	10/12/17	Modified:	REV-01
Approved by:	Callum McDougall			Date:	11/12/17
Signature:	Callum McDougall				

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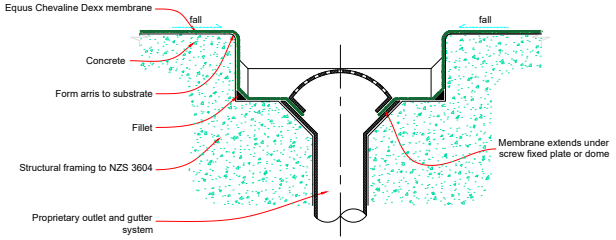

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PROJECT:	Chevaline Dexx				
Title:	Central Gutter Detail (Concrete)				
Number:	DC2.3			Scale:	NTS
Drawn by:	Soulian	Date:	10/12/17	Modified:	REV-01
Approved by:	Callum McDougall			Date:	11/12/17
Signature:	Callum McDougall				

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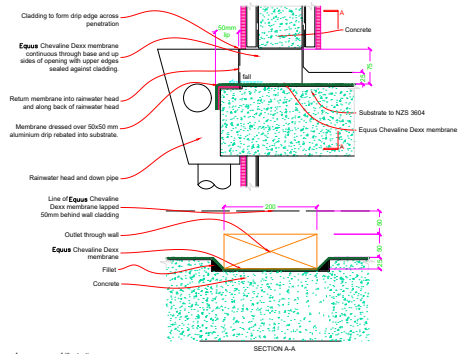

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PROJECT:	Chevaline Dexx				
Title:	Scupper Outlet Detail (Concrete)				
Number:	DC2.4			Scale:	NTS
Drawn by:	Soulian	Date:	10/12/17	Modified:	REV-01
Approved by:	Callum McDougall			Date:	11/12/17
Signature:	Callum McDougall				

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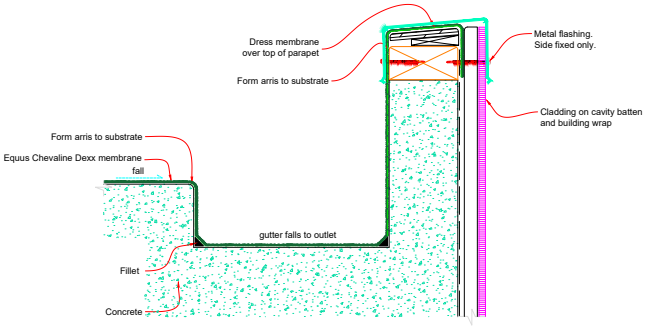

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PROJECT:	Chevaline Dexx				
Title:	Internal Gutter Detail (Concrete)				
Number:	DC2.5			Scale:	NTS
Drawn by:	Soulian	Date:	10/12/17	Modified:	REV-01
Approved by:	Callum McDougall			Date:	11/12/17
Signature:	Callum McDougall				

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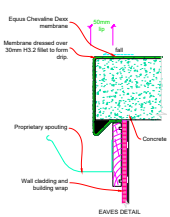

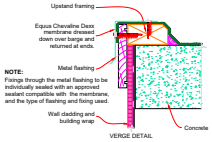

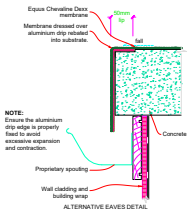

General Notes:

Indicative details shown for purposes of illustration only. Areas which may be prone to stress such as substrate joints, and internal and external corners are to be treated with a double layer of fibreglass mat. This drawing is to be read in conjunction with the New Zealand building code, and NZS 3604 to determine structural framing and substrate dimensions, materials, and treatment, and also minimum falls, overlapping and spouting size.

PROJECT:	Chevaline Dexx				
Title:	Verge and Eaves Details (Concrete)				
Number:	DC3.1			Scale:	NTS
Drawn by:	Soulian	Date:	10/12/17	Modified:	REV-01
Approved by:	Callum McDougall			Date:	11/12/17
Signature:	Callum McDougall				

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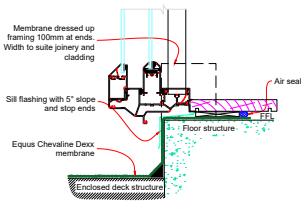

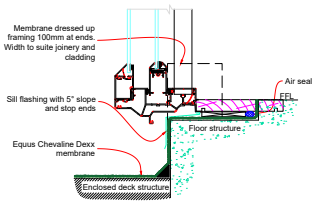

General Notes:

Indicative details shown for purposes of illustration only. Areas which may be prone to stress such as substrate joints, and internal and external corners are to be treated with a double layer of fibreglass mat. This drawing is to be read in conjunction with the New Zealand building code, and NZS 3604 to determine structural framing and substrate dimensions, materials, and treatment, and also minimum step down between floor and deck levels.

PROJECT:	Chevaline Dexx				
Title:	Sliding Door Sill Detail (Concrete)				
Number:	DC4.1			Scale:	NTS
Drawn by:	Soulian	Date:	10/12/17	Modified:	REV-01
Approved by:	Callum McDougall			Date:	11/12/17
Signature:	Callum McDougall				

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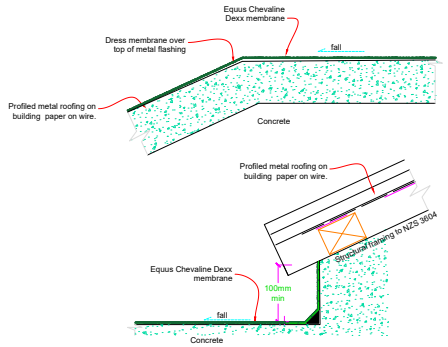

General Notes:

Indicative details shown for purposes of illustration only. Areas which may be prone to stress such as substrate joints, and internal and external corners are to be treated with a double layer of fibreglass mat. This drawing is to be read in conjunction with the New Zealand building code, and NZS 3604 to determine structural framing and substrate dimensions, materials, and treatment, and also minimum falls.

PROJECT:	Chevaline Dexx				
Title:	Membrane to Profiled Metal Roof Detail (Concrete)				
Number:	DC5.1			Scale:	NTS
Drawn by:	Soulian	Date:	20/11/19	Modified:	REV-02
Approved by:	Callum McDougall			Date:	20/11/19
Signature:	Callum McDougall				

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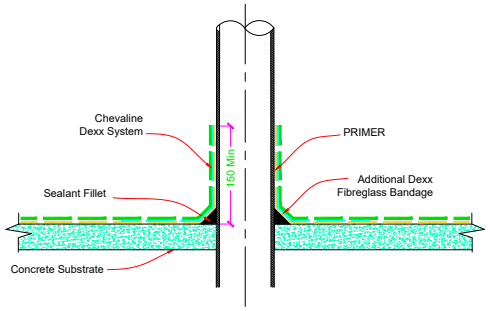

General Notes:

Indicative details shown for purposes of illustration only.Areas which may be prone to stress such as substrate joints, and internal and external corners are to be treated with a double layer of fibreglass mat.This drawing is to be read in conjunction with the New Zealand building code, and NZS 3604 to determine structural framing and deck substrate dimensions, materials, and treatment, and also minimum falls

PROJECT:	Chevaline Dexx				
Title:	Pipe Penetration Detail (Concrete)				
Number:	DC6.1			Scale:	NTS
Drawn by:	Soulian	Date:	24/05/17	Modified:	REV-02
Approved by:	Callum McDougall			Date:	24/05/19
Signature:	Callum McDougall				

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Equus Industries provides technical waterproofing solutions for Architects, Engineers, Property Managers, and Contractors in the building industry. One system does not fit all.

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