



# EQUUS CHEVALINE DEXX ROOF & DECK SYSTEM

Standard Building Consent Package



MARCH 2026

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# 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:

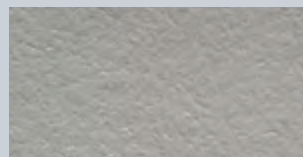
- Chevaline DEXX Primer
- Chevaline Epistixx Primer
- Fibreglass Mat
- Chevaline DEXX Topcoat
- Traxx 2000 Wearcoat

#### 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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## 4432CD EQUUS CHEVALINE DEXX ROOF & DECK MEMBRANE

### 1 GENERAL

This section relates to the supply and application of Equus Chevaline DEXX membrane.

It includes:

- Liquid applied membranes
- Glass fibre reinforced mat
- All required components and accessories to complete the installation

#### 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 organic 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 E2/AS1	External moisture
AS/NZS 2269.0	Plywood - Structural - Specifications
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 Chevaline DEXX Flexible Reinforced Roof and Deck Membrane Brochure  
Equus Chevaline DEXX Flexible Reinforced Roof and Deck System – Standard Details  
Equus Technical Data Sheets (SDS) for Chevaline DEXX System and Associated Products  
Equus Chevaline DEXX Application Guide

Manufacturer/supplier contact details

Company: Equus Industries Ltd  
Web: equus.co.nz  
Email: info@equus.co.nz  
Telephone: Northern Branch, Auckland: 09 415 4314  
Central Branch, Wellington: 04 576 0333  
Southern Branch, Christchurch: 03 353 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 Equus Industries Ltd. 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 Equus certified applicator warranty:

5 years	For Equus Chevaline Dexe membrane roofing
5 years	For Equus Chevaline Dexe 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.

Refer to the general section 1237 WARRANTIES for additional requirements.

### Requirements

## 1.7 QUALIFICATIONS WORKERS – MANUFACTURER / SUPPLIER REQUIREMENTS

Workers to be certified Equus applicators. Refer to 1270 CONSTRUCTION for additional requirements relating to qualifications.

## 1.8 NO SUBSTITUTIONS

Substitutions are not permitted to any of the specified systems, components and associated products listed in this section.

## 1.9 INFORMATION FOR OPERATION AND MAINTENANCE

Refer to the general section 1239 OPERATION & MAINTENANCE for provision of the following general operation and maintenance information as electronic PDF format documents:

Maintenance statement Chevaline Dexe membrane to roofs and deck areas.

### Compliance information

## 1.10 INFORMATION REQUIRED FOR CODE COMPLIANCE

Provide the following compliance documentation: -

- Applicator approval certificate from the manufacturer / importer / distributor
- Manufacturer, importer or distributors warranty
- Installer / applicator warranty
- Producer Statement - PS3 Construction from the applicator / installer
- Other information required by the BCA in the Building Consent Approval documents.

### Performance

## 1.11 FLOOD TESTING

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.

## 1.12 TESTING - ALTERNATIVE FORMS OF LEAK DETECTION

Contact Equus Industries Ltd for appropriate methods of leak detection other than flood testing.

### Quality control and assurance

## 1.13 INSPECTIONS

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## 1.14 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.

## 1.15 QUALITY ASSURANCE

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

## 2 PRODUCTS

### Materials

- 2.1 EQUUS CHEVALINE DEXX - WATERPROOFING MEMBRANE BODYCOAT  
A heavy-bodied, waterborne acrylic liquid-applied waterproofing membrane bodycoat.
- 2.2 EQUUS CHEVALINE DEXX - REINFORCEMENT LAYER  
Equus Chevaline DEXX 300 gsm chopped strand fibreglass mat.
- 2.3 EQUUS CHEVALINE DEXX - WATERPROOFING MEMBRANE WEARCOAT  
A heavy-bodied, waterborne acrylic liquid-applied waterproofing membrane wearcoat.

#### Accessories

- 2.4 CONCRETE / DAMP PLYWOOD PRIMER  
Equus Chevaline Epistix two-component waterborne epoxy primer.
- 2.5 PLYWOOD PRIMER  
Equus Chevaline DEXX Primer.
- 2.6 BACK-PRIME PLYWOOD  
Equus Chevaprime PBT solvent-borne primer.
- 2.7 EPOXY-BASED CONCRETE SUBSTRATE FILLER  
Equus Chevaline Epistix Epoxy Mortar.
- 2.8 CEMENTITIOUS CONCRETE SUBSTRATE FILLER  
Equus Asocret Cementitious Mortar.
- 2.9 PLYWOOD SUBSTRATE FILLER  
Equus Epar Epoxy 802 filler.
- 2.10 SEALANT  
Equus Tremco Dymonic 100 single component polyurethane sealant.
- 2.11 OUTLETS - ROOF DRAINS AND OVERFLOWS  
Aquaknight roof drains and overflows. Refer to SELECTIONS.
- 2.12 OUTLETS - DECK DRAINS  
Aquaknight deck drains. Refer to SELECTIONS.
- 2.13 OUTLETS - SCUPPER  
Equus Stainless Steel Scupper 200mm aperture width x 75mm aperture height. Face height 150mm, face width 350mm, outlet length 400mm.
- 2.14 PEDESTALS  
Refer to 4381EF EQUUS FIXPLUS DECK & TILE SUPPORT SYSTEM.

#### Finishes

- 2.15 EQUUS CHEVALINE DEXX TOPCOAT  
A pigmented polyurethane-acrylic finishing top coat with a flexible gloss finish.
- 2.16 EQUUS TRAXX 2000 - WEARCOAT  
A two-component, solvent-borne flexible aliphatic polyurethane lacquer.
- 2.17 EQUUS TRAXX 2000 SHS - PROTECTIVE FINISH  
A two-component, solvent-borne, high-solids flexible aliphatic polyurethane coating.

### 3 EXECUTION

#### Conditions

- 3.1 DELIVERY, STORAGE & HANDLING OF PRODUCTS  
Refer to 1270 CONSTRUCTION for requirements relating to delivery, storage and handling of products.

### 3.2 ROUTINE MATTERS

Refer to 1250 TEMPORARY WORKS & SERVICES for protection requirements.

Refer to 1270 CONSTRUCTION for requirements relating to defective or damaged work, removal of protection and cleaning.

### 3.3 SURFACE PREPARATION - PLYWOOD

Ensure the substrate is clean, dry, and smooth, free of dust, oil, and debris. Remove projections and fill depressions with Equus Epar Epoxy 802.

### 3.4 SURFACE PREPARATION - CONCRETE

Ensure the substrate is clean, dry, and smooth, free of dust, oil, and debris. Remove projections and fill depressions with Equus Chevaline Epistixx Epoxy Mortar for minor surface preparation, or Equus Asocret Cementitious Mortar for significant surface preparation.

### 3.5 PRE-INSTALLATION REQUIREMENTS - PLYWOOD

Check work previously carried out and confirm it is of the required standard for this part of the work. Plywood/ timber: Moisture content of 18% maximum.

### 3.6 PRE-INSTALLATION REQUIREMENTS - CONCRETE

Check work previously carried out and confirm it is of the required standard for this part of the work. Concrete edges and corners to have minimum 5mm radius. Internal corners to have minimum 20mm cement mortar, 20mm x 20mm H3.2 treated timber fillets or 20mm x 20mm Equus Tremco Dymonic 100 Sealant. Prepare substrate cracks wider than 1mm for sealing, cut or rout them to a width of 5mm and a depth between 8 to 15mm to ensure sealant embedment. Concrete substrate to cure for at least 28 days and have a relative humidity of no more than 75% before commencing membrane application.

### 3.7 SURFACE PREPARATION - PLYWOOD

Ensure the substrate is clean, dry, and smooth, free of dust, oil, and debris. Remove projections, fill depressions and gaps between sheets with Equus Epar Epoxy 802. Chamfer external timber corners to a 5mm radius.

### 3.8 SURFACE PREPARATION - CONCRETE

Waterblast clean and/or coarse diamond grind the concrete surface, ensure substrate is dry, and smooth, free of dust, oil, and debris. Remove projections and fill depressions with Equus Chevaline Epistixx Epoxy Mortar for minor surface preparation, or Equus Asocret Cementitious Mortar for significant surface preparation.

### 3.9 EXPANSION / MOVEMENT JOINTS

Seal joints exceeding 6mm in width with Equus Tremco Dymonic 100 and leave exposed.

### 3.10 DRAINS & OUTLETS

Refer to 7412AD AQUAKNIGHT ROOF, DECK AND BALCONY DRAINAGE SYSTEMS.

### 3.11 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.

## Installation/application

### 3.12 GENERALLY

All work and materials to comply with Equus Industries Ltd installation instructions and relevant codes of practice for liquid-applied membrane systems.

### 3.13 STANDARDS AND TOLERANCES

Refer to the general section 1270 CONSTRUCTION for general requirements.

### 3.14 PRIME PLYWOOD SUBSTRATES

Prime plywood surfaces with Equus Chevaline DEXX Primer, apply with a brush, roller or spray equipment at a manufacturer's recommended coverage rate. Primer is touch dry after 1-2 hours and ready for application of the membrane in 6-8 hours.

### 3.15 PRIME CONCRETE SUBSTRATES

Prime concrete substrates with Equus Epistixx Primer, mixed and diluted as per manufacturer's instructions. Apply with a brush, roller or spray equipment with a spread rate for this coat of 8-12 m<sup>2</sup> per litre. Primer is touch dry in 4-6 hours and is to be left overnight before recoating. Prevent contamination of the primed surface prior to application of the membrane.

### 3.16 UPSTANDS, JUNCTIONS AND JOINTS

After priming, embed a 150mm wide strip of 225 gsm or 300 gsm glass fibre mat in Equus Chevaline DEXX, centred over joints, upstands, and transitions.

### 3.17 APPLY CHEVALINE DEXX MEMBRANE

Apply Equus DEXX and 300 gsm glass fibre mat as a three-coat system:

- 1st Chevaline DEXX Bodycoat
- Glass-fibre mat (laid wet into Bodycoat)
- 2nd Chevaline DEXX Bodycoat
- 3rd Chevaline DEXX Bodycoat (Allow to dry overnight)

All Equus DEXX bodycoats to be applied by roller using a medium/long nap roller. Follow Equus Industries Ltd required dry times. Fully embed the mat, eliminate air traps, and encapsulate fibreglass strands. Extend the Equus Chevaline DEXX membrane at least 150mm up all upstands and into rainwater sumps. Apply additional coats as needed to achieve a pinhole-free finish and correct film build. Total spread rate is approximately 15 litres of Chevaline DEXX Bodycoat per 10m<sup>2</sup> of surface area under normal laying conditions.

### 3.18 APPLY CHEVALINE DEXX CARPARK MEMBRANE

The membrane comprises Chevaline DEXX and 300 gsm glass fibre mat applied in the following sequence:

- 1st Chevaline DEXX Bodycoat
- Glass-fibre mat (laid into wet Chevaline DEXX Bodycoat)
- 2nd Chevaline DEXX Bodycoat
- Glass-fibre mat (laid at right angles to the first layer)
- 3rd Chevaline DEXX Bodycoat (Allow to dry overnight)
- 4th Chevaline DEXX Bodycoat (Allow to dry overnight)
- DEXX Wearcoat Medium or Coarse. (Allow to dry overnight)

All Chevaline DEXX Bodycoats to be applied with a medium/ long nap roller. Application to be in accordance with manufacturer's instructions for spread rates and dry times. Embed the reinforcement mat in the wet bodycoat, working it in to remove air traps and fully encapsulate fibreglass strands. Allow to dry overnight. Apply additional coats as needed for a pinhole-free finish and correct film build. The total spread rate is approximately 15 litres of Chevaline DEXX Bodycoat per 7.5m<sup>2</sup> of surface area under normal laying conditions.

### 3.19 APPLY CHEVALINE DEXX PLANT ROOM MEMBRANE

Apply Equus DEXX and 300 gsm glass fibre mat as a three-coat system:

- 1st Chevaline DEXX Bodycoat
- Glass-fibre mat (laid wet into Bodycoat)
- 2nd Chevaline DEXX Bodycoat
- 3rd Chevaline DEXX Bodycoat (Allow to dry overnight)

All Equus DEXX body-coats require roller application with a medium/long nap roller. Follow Equus Industries Ltd required spread rates and dry times. Fully embed the mat, eliminate air traps, and encapsulate fibreglass strands. Extend the Equus Chevaline DEXX membrane at least 150mm up all upstands and into rainwater sumps. Once the final bodycoat has dried, apply Equus Traxx 2000 SHS Wearcoat to manufacturer's guidelines. Apply additional coats as needed for a pinhole-free finish and correct film build.

## Finishing

### 3.20 PROTECTIVE FINISH – ROOFS, DECKS AND GUTTERS

Apply a minimum of one coat of Traxx 2000 Wearcoat applied by nap roller or spray at a spread rate of 8–10m<sup>2</sup> per litre.

### 3.21 TOPCOAT - NOT SUBJECT TO PEDESTRIAN TRAFFIC

Apply one coat of Equus Chevaline DEXX Topcoat to roof areas not subject to foot traffic, at a spread rate of 10–11m<sup>2</sup> per litre, using a roller, brush, or spray, in accordance with Equus Industries Ltd installation requirements.

### 3.22 WEARCOAT - AREAS SUBJECT TO PEDESTRIAN TRAFFIC

Apply one coat of Equus Traxx 2000 Wearcoat to surfaces subject to pedestrian traffic, at a spread rate of 11–12m<sup>2</sup> per litre, using a roller, brush, or spray, in accordance with Equus Industries Ltd installation requirements.

3.23 COLOUR AND GLOSS

Colour and gloss of membrane to be uniform across application area.

3.24 INSTALL PEDESTALS

For installation of Equus FixPlus pedestals refer to 4381EF EQUUS FIXPLUS DECK & TILE SUPPORT SYSTEM.

**Finishing - Plant rooms**

3.25 PROTECTIVE FINISH – PLANT ROOMS / CHEMICAL RESISTANT

Seal plant rooms with one full coat of Traxx SHS 2000 Wearcoat applied by nap roller, brush or spray at a spreading rate of 3-4 m<sup>2</sup> per litre.

**Finishing - Trafficable areas**

3.26 PROTECTIVE CARPARK WEARCOAT - VEHICLE TRAFFIC AREAS

Apply Equus Traxx 2000 SHS Wearcoat 48 to 72 hours after the final body coat for stain and hydrocarbon resistance. Apply two roller coats at a spread rate of 8m<sup>2</sup> per litre to ensure a complete seal is achieved. Allow to dry overnight between coats.

3.27 TRAFFIC MARKINGS

Apply traffic markings using a brush, roller or spray coat of Equus Traxx 2000 Wearcoat NS, Equus Colourseal road-marking paint, after application of the Equus Colourseal Wearcoat. Colourseal is ready for use 48 hours after application.

3.28 ACCESS RAMPS

Access ramps are not treated using this system.

**Completion & Commissioning**

3.29 COMPLETION MATTERS

Refer to 1270 CONSTRUCTION for completion requirements and if required commissioning requirements.

3.30 COMPLETION - TESTS & CERTIFICATION

Refer to 1270 CONSTRUCTION for general test and certification requirements at completion.

**4 SELECTIONS**

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

4.1 EQUUS CHEVALINE DEXX ROOF MEMBRANE

- Location: ~
- Supplier: Equus
- Substrate: ~
- Primer: ~
- Sealant: Equus Tremco Dymonic 100
- First bodycoat: Chevaline Dexe
- Reinforcement layer: Chevaline Dexe glass fibre mat (laid wet into first coat)
- Second bodycoat: Chevaline Dexe
- Third bodycoat: Chevaline Dexe (Allow to dry overnight)
- Membrane thickness: 1.2mm - 1.5mm nominal
- Surface type: ~
- Protective finish: ~
- Colour/finish: ~

4.2 EQUUS CHEVALINE DEXX DECK MEMBRANE

- Location: ~
- Supplier: Equus

Substrate: ~  
 Primer: ~  
 Sealant: Equus Tremco Dymonic 100  
 First bodycoat: Chevaline DEXX  
 Reinforcement layer: Chevaline DEXX glass fibre mat (laid wet into first coat)  
 Second bodycoat: Chevaline DEXX  
 Third bodycoat: Chevaline DEXX (Allow to dry overnight)  
 Membrane thickness: 1.2mm - 1.5mm nominal  
 Surface type: ~  
 Protective finish: ~  
 Colour/finish: ~

4.3 EQUUS CHEVALINE DEXX CARPARK MEMBRANE

Location: ~  
 Supplier: Equus  
 Substrate: ~  
 Primer: ~  
 Sealant: Equus Tremco Dymonic 100  
 First bodycoat: Chevaline DEXX  
 Reinforcement layer: Chevaline DEXX glass fibre mat (laid wet into first coat)  
 Second bodycoat: Chevaline DEXX  
 Third bodycoat: Chevaline DEXX (Allow to dry overnight)  
 Fourth bodycoat: Chevaline DEXX (Allow to dry overnight)  
 Membrane thickness: ~  
 Surface type: ~  
 Protective finish: ~  
 Colour/finish: ~

4.4 EQUUS CHEVALINE DEXX PLANT ROOM MEMBRANE

Location: ~  
 Supplier: Equus  
 Substrate: ~  
 Primer: ~  
 Sealant: Equus Tremco Dymonic 100  
 First bodycoat: Chevaline DEXX  
 Reinforcement layer: Chevaline DEXX glass fibre mat (laid wet into first coat)  
 Second bodycoat: Chevaline DEXX  
 Third bodycoat: Chevaline DEXX (Allow to dry overnight)  
 Fourth bodycoat: Chevaline DEXX (Allow to dry overnight)  
 Membrane thickness: ~  
 Surface type: ~  
 Protective finish: ~  
 Colour/finish: ~

**Accessories**

4.5 UPVC ROOF DRAIN / OVERFLOW

Location: ~  
 Supplier: Equus Industries Ltd.  
 Brand: Aquaknight  
 Type: ~  
 Outlet size: ~  
 Inlet size: ~  
 Dome material: ~  
 Outlet type (code): ~

4.6 UPVC DECK DRAIN

Location: ~  
 Supplier: Equus Industries Ltd.  
 Brand: Aquaknight





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2 Pages

# Chevaline Dexx

Application of Chevaline Dexx to new plywood surfaces.

November 2025

### 4. CHECKLIST AND METHOD STATEMENT

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

	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 ensure fibreglass mat is 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.				





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2 Pages

# Chevaline DEXX

Application of Chevaline DEXX to concrete surfaces.

November 2025

#### 4. CHECKLIST AND METHOD STATEMENT

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

	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 _____ <small>(Nominate primer used)</small>				
6.*	All DEXX detail strips of fibreglass 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 fibreglass mat correctly laid with teased laps.				
8.	Filling coat of DEXX laid and ensure fibreglass mat is 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' fibreglass. 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 <small>Fine/Medium/Coarse (delete if non-applicable)</small>				
13.*	Final top coat(s) correctly applied using _____ <small>(Nominate topcoat used)</small>				
14.	For surfaces to receive tile overlay - full 24 hour pond test carried out successfully.				
15.	Completed installation inspected and signed off.				

Building  
Compliance  
Technical  
Report

## Chevaline Dexe Roof and Deck Membrane System



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### Description

The Chevaline Dexe 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 Dexe 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 Dexe Primer - A waterborne modified acrylic primer, with special pigmentation to enhance stain-block and anti-rust capabilities. A general-purpose primer for Dexe 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 Dexe - 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 - Dexe is always used in conjunction with 300gsm glassfibre E-mat as reinforcement except for parapet detailing where 225gsm E-mat may be used.
- Chevaline Dexe 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 Dexe 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 Dexe 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 Dexe 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)

Ref: R1.2  
ISSUED 8/11/2023

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This Product Technical Statement is a statement by the manufacturer that this product, if installed in accordance with the technical data, plans, specifications, and advice prescribed by the manufacturer, will comply with the relevant provisions of the building code. (Building Act 2004 Section 14G). It relates to the provisions of the building code in effect at the date of issue of this Product Technical Statement.



Prepared by:  
**Tekton Consulting**  
T14397A [www.tekton.co.nz](http://www.tekton.co.nz)

## Technical Literature

- Standard Specification for the application of Chevaline Dextr on concrete surfaces P3012, April 2020
- Standard Specification for the application of Chevaline Dextr on Plywood roofs and light traffic decks P3011, April 2020
- Chevaline Dextr Technical Datasheet 301, August 2023
- Chevaline Epistix Technical Datasheet 181, August 2023
- Chevaline Dextr Primer Technical Datasheet 304, August 2023
- Chevaline Dextr Topcoat Technical Datasheet 306, August 2023
- Traxx 2000 Wearcoat Technical Datasheet 153, September 2023
- Standard Methodology - Use of Chevaline Dextr as a Liquid Flashing, Ref: WA269 August 2023
- Chevaprime PBT Technical Datasheet 145, September 2023
- Chevaline Dextr System Technical Datasheet, August 2023
- Standard Specification for the application of Chevaline Dextr overlay on existing Chevaline Dextr or other approved liquid membrane surface P3011-1, April 2020
- Standard Specification for the application of Chevaline Dextr waterproofing membrane to plywood carparking decks P3013, April 2020
- Standard Specification for the application of Chevaline Dextr Carpark waterproofing system to concrete surfaces P3017, April 2020
- Standard Specification for the application of Chevaline Dextr 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.

## Building Code Compliance

When used as described above, Chevaline Dextr 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 Dextr Waterproofing System with Reinforcement", March 1996
- OPUS Slip Resistance Report D99032, "Chevaline Dextr with Chevaline Dextr Wearcoat", 27 June 1999

- BRANZ Test Report DC16839-01-1, Report on Testing of Chevaline Dexe Membrane to the Requirements of AS4654.1-2012, 9 March 2023
- BRANZ Test Report DC16839-02-01, Report on Testing of Chevaline Dexe Membrane to the Requirements of AS4858:2004, 4 May 2023
- AWTA Test Report 18-005761, Chevaline Dexe Waterproof Membrane, 22 January 2019
- Joyce Group Report JN: 6419 Verification of Chevaline Dexe Waterproofing System, May 2005

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**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 Dexe 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 Dexe 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 Dexe 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 Dexe 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 Dexe 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/m<sup>2</sup> 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 Dexe Roof and Deck Membrane System is suitable for use on access routes. The coefficient of friction of Chevaline Dexe is 0.76 (dry) and 0.44 (wet). The coefficient of friction for Chevaline Dexe 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 Dexe Roof and Deck Membrane System and the construction details in the manufacturer's technical literature are consistent with the principles of those documents. Chevaline Dexe 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 Dexe Roof and Deck Membrane System also meets the requirements of AS/NZS 4858:2004 Wet Area Membranes referenced by Acceptable Solution E2/AS1.

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**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 Dexe 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.

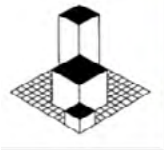
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## Supplementary Information

Chevaline Dexe 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.

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## Tekton Consulting

Tekton Group Ltd, PO Box 45045, Lower Hutt 5042, ph: +64 27 2300120

# Introducing ..... Tekton

### About Tekton

Tekton's mission is to support innovation and growth of the NZ building and construction sector.

Tekton offers consultancy services to the construction, product manufacturing and supply sector and the building regulatory sector.

Tekton specialises in providing technical expertise and building system regulatory knowledge to building product manufacturers and importers to support their obligations regarding product information and product certification, and to Product Certification bodies as an expert input to their decision making about certification of products.

### Tekton's Work

Tekton has a wide range of clients. They include large New Zealand and Australian building product manufacturing corporates, medium and smaller enterprises looking to establish building regulatory credentials for a particular imported building product, and Government agencies.

The following is a snapshot of some key areas of Tekton's work:

#### Product Certification (Codemark)

Product certification is a voluntary scheme that provides an easily understood and robust way to show that a building product meets the requirements of the New Zealand Building Code (the Building Code).

Tekton works with accredited "product certification bodies", as their technical expert or regulatory advisor, or with applicants assisting them with the preparation of their application for certification of their product.

#### Product Technical Statements

Section 14 of the (New Zealand) Building Act sets out the responsibilities of the various parties with respect to building work. Section 14G requires product manufacturers or suppliers to be able to support their claims that their product complies with the New Zealand Building Code.

A Product Technical Statement (PTS) is a recommended way of meeting this obligation. A PTS is a statement made by a product manufacturer (or supplier) stating which performance requirements of the building code the product complies

with, and any caveats or limitations to the use of the product that affect its code compliance.

Tekton works with product manufacturers to prepare and publish product technical statements.

### Pre-Manufactured Building Components

Interest in componentised construction continues to increase, and ranges from small prefabricated assemblies through to complete dwellings, often manufactured offshore. Meeting regulatory obligations for some componentised systems, particularly manufactured offshore, can be quite different from conventional “on-site” construction.

Tekton can assist in this area and works with clients to establish evidence of compliance with the New Zealand Building Code.

### Introducing Peter Thorby

Peter Thorby is the sole shareholder-employee of Tekton. He has an extensive track record of engagement with the building and construction sector. He has a detailed knowledge of the Building Code, and the building regulatory system, in particular the setting of regulatory standards, the development of compliance solutions, and the consenting of building work.

Peter has a background in materials and building science research and consultancy, maintenance management policy, and building standards regulatory policy development.

Building on his Master of Engineering degree (in Chemical and Materials Engineering) he has spent 40 years in the building and construction sector.

He has led teams of technical and professional experts in the performance of building materials and the development of regulatory standards and compliance solutions.

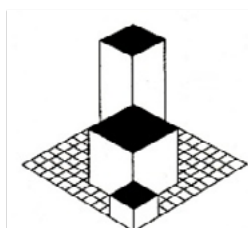
Prior to establishing Tekton in 2014 he held employment at the Ministry of Business, Innovation and Employment (and its predecessor Department of Building and Housing) as the Manager of the Building Standards Group. In that role he was responsible for the development and maintenance of the New Zealand Building Code, Verification Methods, Acceptable Solutions and guidance issued under S175 of the Building Act. He was the inaugural manager of the National Multiple Use Approvals (MultiProof) group.

Immediately prior to that he led a three-year review of the New Zealand Building Code (required by the Building Act 2004). The report of that review was presented to the government in 2007, and its recommendations have informed subsequent amendments to the Building Code and associated supporting documents and guidance.

Peter provides technical and/or regulatory support to all the currently accredited Product Certification Bodies. Peter also provided technical and/or regulatory support to AsureQuality before that organisation made a business decision to discontinue providing Codemark certifications.

**Employment Experience**

Building Materials research and consultancy	<ul style="list-style-type: none"> <li>▪ Research Scientist, Pottery and Ceramics Research Association</li> <li>▪ Building Science Section Head, MWD Central Laboratories</li> <li>▪ Tekton Consulting</li> </ul>
Construction sector engagement	<ul style="list-style-type: none"> <li>▪ Technical Development Manager, Housing New Zealand Ltd</li> <li>▪ Business Development Manager, Opus Central Laboratories</li> <li>▪ Manager Building Code Review, MBIE</li> <li>▪ Manager Building Standards, MBIE</li> <li>▪ Tekton Consulting</li> </ul>
Building Code policy	<ul style="list-style-type: none"> <li>▪ Manager Building Code Review, MBIE</li> <li>▪ Manager Building Standards, MBIE</li> </ul>
Product compliance support	<ul style="list-style-type: none"> <li>▪ Building Science Section Head, MWD Central Laboratories</li> <li>▪ Tekton Consulting</li> </ul>



**Peter Thorby** | Director  
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 PO Box 45 045, Lower Hutt 5042

**Tekton Consulting**

Company Name	Tekton Group Limited
Company Number	432962
NZBN	9429039327451
Date of Incorporation	May 1989
Postal Address	PO Box 45045, Lower Hutt, New Zealand 5042
Office Location	Wellington

Note: The Company was incorporated under the Companies Act 1955 as Thorby Building Consultants Limited in May 1989 and renamed Tekton Group Limited in November 1992. It was reregistered to become a company under the Companies Act 1993 on 1 July 1997.

Tekton Group Limited uses its brand Tekton Consulting (often simply shortened to “Tekton”).

# 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 Dexe 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/m<sup>2</sup>  
 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/m <sup>2</sup>
HF-30 Value	1	2	3	Mean
Non Directional	-	-	-	- kW/m <sup>2</sup>
Smoke Value	1	2	3	Mean
Non Directional	18	5	<4	- %min

154097

31119

Page 1 of 2

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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

# 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.

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31119

Page 2 of 2

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Accredited for compliance with ISO/IEC 17025 - Testing

- Chemical Testing

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- Performance & Approvals Testing

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: Accreditation No. 985

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APPROVED SIGNATORY



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

0204/11/06



Hebel block structure



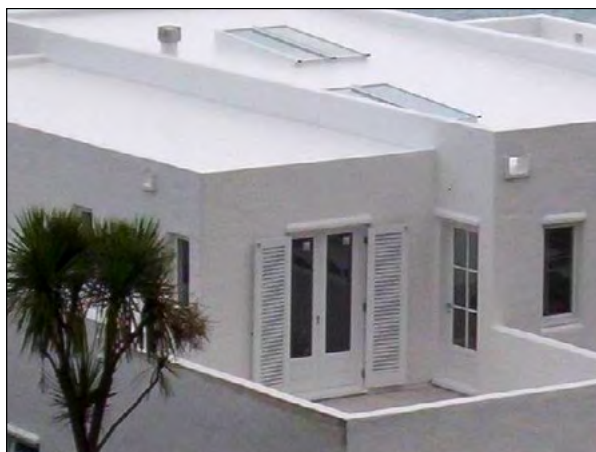
Fibreglass encapsulation into wet Dexx bodycoat



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](mailto:info@equus.nz)

Website: [www.equus.nz](http://www.equus.nz)



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](mailto:info@equus.nz)

Website: [www.equus.nz](http://www.equus.nz)

# CHEVALINE DEXX SYSTEM

## Roof and deck waterproofing membrane

August 2024

### PURPOSE AND AREAS OF USE:

The Chevaline Dextr 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 Dextr 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 Epistix  
Chevaline Dextr Primer  
Fibreglass Mat  
Chevaline Dextr  
Chevaline Dextr Wearcoat  
Chevaline Dextr Topcoat  
Traxx 2000 Wearcoat  
Traxx 2000 SHS Wearcoat

### COLOUR:

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

### SCOPE OF USE:

Chevaline Dextr 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 Dextr 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 Dextr 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 Dextr Carpark Membrane**) and internal wet areas (See **Chevaline Dextr Wet Area Membrane**).

### CONDITIONS OF USE:

Chevaline Dextr can be used with substrates meeting the requirements set out in the Specifications at [www.equus.nz](http://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.



4432CD Equus Chevaline Dextr Roof &amp; Deck System

Equus Industries Ltd. 4 Sheffield St, Blenheim 7274 | Phone: 03 578 0214 | Email: [info@equus.nz](mailto:info@equus.nz) | Web: [www.equus.nz](http://www.equus.nz)

The information in this product data sheet is based on our experience and testing. It represents the latest information available at the time of printing, but no guarantee of its accuracy is made or implied, nor responsibility taken for use to which this information may be put. We reserve the right to alter or up-date information parameters and formulations at any time without notice.

# CHEVALINE DEXX SYSTEM

## Roof and deck waterproofing membrane

August 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](http://www.equus.nz)

Refer to Tekton NZBC Compliance Report at [www.equus.nz](http://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	<a href="http://www.equus.nz/content/reports/tekton-dexx-nzbc-compliance.pdf">www.equus.nz/content/reports/tekton-dexx-nzbc-compliance.pdf</a>
Tekton Consulting NZBC Compliance - Addendum Notice	15 April 2024	<a href="http://www.equus.nz/content/reports/tekton-dexx-nzbc-compliance-addendum.pdf">www.equus.nz/content/reports/tekton-dexx-nzbc-compliance-addendum.pdf</a>
AWTA Product Test Chevaline Dexx (Test results)	January 2019	<a href="http://www.equus.nz/content/reports/awta-fire-test-dexx-18-005761.pdf">www.equus.nz/content/reports/awta-fire-test-dexx-18-005761.pdf</a>
Opus Slip Resistance Report Chevaline Dexx Wearcoat (Test results)	June 1999	<a href="http://www.equus.nz/content/reports/opus-slip-resistance-dexx-D99032.pdf">www.equus.nz/content/reports/opus-slip-resistance-dexx-D99032.pdf</a>
Joyce Group Verification Report Chevaline Dexx (Test results)	May 2005	<a href="http://www.equus.nz/content/reports/joyce-verification-dexx-JN6419.pdf">www.equus.nz/content/reports/joyce-verification-dexx-JN6419.pdf</a>
BRANZ Report DC16839-02-01 (AS/NZS4858:2004)	4 May 2023	<a href="http://www.equus.nz/content/reports/branz-test-report-dexx-DC16839-02.pdf">www.equus.nz/content/reports/branz-test-report-dexx-DC16839-02.pdf</a>

### 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	<a href="http://www.equus.nz">www.equus.nz</a>
Manufacturer email	<a href="mailto:info@equus.nz">info@equus.nz</a>
Manufacturer phone number	03 578 0214
Manufacturer NZBN	9429032000306

Equus Industries Ltd. 4 Sheffield St, Blenheim 7274 | Phone: 03 578 0214 | Email: [info@equus.nz](mailto:info@equus.nz) | Web: [www.equus.nz](http://www.equus.nz)

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# CHEVALINE DEXX

## Flexible reinforced roof and deck membrane

October 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.



4432CD Equus Chevaline Dexx Roof & Deck System

Equus Industries Ltd. 4 Sheffield St, Blenheim 7274 | Phone: 03 578 0214 | Email: [info@equus.nz](mailto:info@equus.nz) | Web: [www.equus.nz](http://www.equus.nz)

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# CHEVALINE DEXX

## Flexible reinforced roof and deck membrane

October 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](http://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:

<b>Concrete Roofs and Decks:</b>	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.
<b>Mastic Asphalt:</b>	Ensure surface is level, and all holes and cracks are filled with a bituminous patch mix or Chevacrly Admix Plaster, particularly those where blisters have been cut out.
<b>Exterior Plywood:</b>	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.
<b>Priming:</b>	Concrete, Mastic Asphalt, Previously coated surfaces: DEXX Primer or Epistixx.
<b>Priming Plywood / Manufactured Timber / CLT:</b>	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

October 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/115 litre pail/coat)
Dexx Topcoat/Colourglaze	10 sqm/litre (150sqm/15 litre pail). Spreading rates indicated must <b>not</b> 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](http://www.equus.nz)

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# CHEVALINE DEXX

## Flexible reinforced roof and deck membrane

October 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	<a href="https://www.equus.nz/content/reports/beal-pts-dexx.pdf">https://www.equus.nz/content/reports/beal-pts-dexx.pdf</a>
AWTA Product Test Chevaline DEXX (Test results)	January 2019	<a href="https://www.equus.nz/content/reports/awta-fire-test-dexx-18-005761.pdf">https://www.equus.nz/content/reports/awta-fire-test-dexx-18-005761.pdf</a>
Opus Slip Resistance Report Chevaline DEXX Wearcoat (Test results)	June 1999	<a href="https://www.equus.nz/content/reports/opus-slip-resistance-dexx-D99032.pdf">https://www.equus.nz/content/reports/opus-slip-resistance-dexx-D99032.pdf</a>
Joyce Group Verification Report Chevaline DEXX (Test results)	May 2005	<a href="https://www.equus.nz/content/reports/joyce-verification-dexx-JN6419.pdf">https://www.equus.nz/content/reports/joyce-verification-dexx-JN6419.pdf</a>
BRANZ Report DC16839-02-01 (AS/NZS4858:2004)	04 May 2023	<a href="https://www.equus.nz/content/reports/branz-test-report-dexx-DC16839-02.pdf">https://www.equus.nz/content/reports/branz-test-report-dexx-DC16839-02.pdf</a>

**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
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**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
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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 trafficable 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 Dextr waterproofing membrane

February 2024

## SCOPE OF USE:

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

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

## CONDITIONS OF USE:

Chevaline Dextr 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. <b>Previously coated Dextr surfaces (old or new):</b>	Dextr surfaces overcoated with Chevaline Colourglaze, Traxx Colourseal or Chevaline Dextr 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 Dextr process prior to recoating.
2. <b>All other surfaces</b>	Clean as in 1 above and apply a test area of Chevaline Dextr Topcoat to determine adhesion before proceeding with the complete treatment.
<b>Priming:</b>	
1.	New Dextr, or existing Dextr Membrane finished with Chevaline Colourglaze, Chevaline Dextr 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 Dextr 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 Dextr 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 Dextr Topcoat.

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# CHEVALINE DEXX TOPCOAT

UV resistant finishing coat for the Chevaline Dexe waterproofing membrane

February 2024

**WARRANTY:**

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

When Chevaline Dexe Topcoat is used to recoat an existing Chevaline Dexe 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
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**MANUFACTURERS CONTACT DETAILS:**

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# CHEVALINE DEXX PRIMER

## General purpose primer for Chevaline Dexe system

February 2024

**PURPOSE AND AREAS OF USE:**

A general purpose primer for Dexe 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	Dexe 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 Dexe Primer contains a highly effective mould-resistant additive which does not contain toxic metals or phenols.

**SCOPE OF USE:**

Chevaline Dexe Primer is used as a primer coat on plywood and timber surfaces for the Chevaline Dexe 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 Dexe Primer must be used in accordance with the parameters and instructions mentioned in this TDS, or in other Equus approved technical documentation. Chevaline Dexe 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 Dexe 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/115 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:

Dexe 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
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## MANUFACTURERS CONTACT DETAILS:

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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 Dexe, Chevaline Colourcure, Chevaline Colourcure2, Chevaline Coverall, Chevaline Coverflex, 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
<b>Chemical resistance:</b>	
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 Dexe 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. <b>Note</b> that low temperatures and/or high humidities will considerably retard dry and cure times. Do not apply in temperatures below 5°C 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.

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# 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 0°C 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
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### MANUFACTURERS CONTACT DETAILS:

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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, Covercryn, Dexx, Extracover, and Flexx.

### STANDARD PACKS:

4, 10 and 20 litre plastic pails.

### PHYSICAL PROPERTIES:

Liquid Material		Applied Film	
Solids (% by volume)	38%	Flexibility	Passes 2 mm mandrel
Specific Gravity	1.22	Adhesion	Excellent adhesion to the surfaces listed in "Areas of Use", except on timbers such as Matai and Totara.
Flash Point	Not applicable - waterborne material	Fungus Resistance	Chevaprime U contains a highly effective mould-resistant additive which does not contain toxic metals or phenols.
Shelf Life	Three years in original sealed containers when stored in cool dry conditions and protected from frosts.		

### 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.

Equus Industries Ltd. 4 Sheffield St, Blenheim 7274 | Phone: 03 578 0214 | Email: [info@equus.nz](mailto:info@equus.nz) | Web: [www.equus.nz](http://www.equus.nz)

The information in this product data sheet is based on our experience and testing. It represents the latest information available at the time of printing, but no guarantee of its accuracy is made or implied, nor responsibility taken for use to which this information may be put. We reserve the right to alter or up-date information parameters and formulations at any time without notice.

# 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
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### 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

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

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

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

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

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

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

**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, overlapping and outlet size.

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

**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, overlapping, and minimum gutter dimensions.

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

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

**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 (Plywood)
Number:	DP4.1
Drawn by:	Soullan
Approved by:	Callum McDougall
Signature:	Callum McDougall
Date:	10/12/17
Scale:	NTS
Modified:	REV-01
Date:	11/12/17

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

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

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website: www.equus.co.nz

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

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website: www.equus.co.nz

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

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

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website: www.equus.co.nz

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

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

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

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website: www.equus.co.nz

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

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**EAVES DETAIL**  
Membrane dressed over 20mm x 25mm to eave drip.  
Proprietary spacing.  
Wall cladding and building wrap.

**VERGE DETAIL**  
Upstand framing.  
Metal flashing.  
Eques Chevaline Dex membrane dressed down over barge and upstand ends.  
Wall cladding and building wrap.

**ALTERNATIVE EAVES DETAIL**  
NOTE: Ensure the aluminium drip edge is properly fixed to allow for excessive expansion and contraction.  
Proprietary spacing.  
Wall cladding and building wrap.

**General Notes:**  
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PROJECT:	Chevaline Dex
Title:	Verge and Eaves Details (Concrete)
Number:	DCS.1
Scale:	NTS
Drawn by:	Soulan
Date:	10/12/17
Modified:	REV-01
Approved by:	Callum McDougall
Date:	11/12/17
Signature:	Callum McDougall

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Membrane dressed up framing 100mm at ends. Width to suit joinery and cladding.  
Sill flashing with 5° slope and stop ends.  
Air seal.  
Eques Chevaline Dex membrane.  
Enclosed deck structure.

Membrane dressed up framing 100mm at ends. Width to suit joinery and cladding.  
Sill flashing with 5° slope and stop ends.  
Air seal.  
Eques Chevaline Dex membrane.  
Enclosed deck structure.

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

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Dress membrane over top of metal flashing.  
Eques Chevaline Dex membrane.  
fall.  
Concrete.  
Profiled metal roofing on building paper on wire.  
Sill flashing with 5° slope and stop ends.  
Air seal.  
Eques Chevaline Dex membrane.  
100mm min.  
Structural framing to NZS 3604.  
fall.  
Concrete.

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

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Chevaline Dex System.  
PRIMER.  
Additional Dex Fibreglass Bandage.  
Sealant Fillet.  
Concrete Substrate.  
150 Min.

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PROJECT:	Chevaline Dex
Title:	Pipe Penetration Detail (Concrete)
Number:	DC3.1
Scale:	NTS
Drawn by:	Soulan
Date:	24/05/17
Modified:	REV-02
Approved by:	Callum McDougall
Date:	24/05/19
Signature:	Callum McDougall

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- EQIUS Chevaline Epitex primer
- EQIUS Chevaline Dex fibreglass reinforced
- EQIUS Chevaline Traxx 2000 SHS WC
- EQIUS EQIUS
- Dynamic 100 sealant
- Chemset Anchors
- Neoprene washers

**General Notes:**  
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PROJECT:	Chevaline Dex Plant Room - Standard Detail
TITLE:	Standard Raising Detail
NUMBER:	ECDC-D7
SCALE:	NTS
DRAWN BY:	NKT
DATE:	15-May-2023
REVISED:	

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- EQIUS Chevaline Epitex primer
- EQIUS Chevaline Dex fibreglass reinforced
- EQIUS Traxx 2000 SHS WC
- Mortar or Dynamic FC Fillet
- EQIUS Dynamic 100 sealant
- Chemset Anchors
- Neoprene washers

**General Notes:**  
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PROJECT:	Chevaline Dex Plant Room
TITLE:	Fixing on plinth Detail
NUMBER:	ECDC-D9
SCALE:	NTS
DRAWN BY:	NKT
DATE:	14-July-2024
REVISED:	

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**CRACK IN THE SUBSTRATE**  
EQIUS Primer  
EQIUS Dynamic 100 sealant  
EQIUS Chevaline Dex Bandage

**CONNECTIONS TO A DRAINAGE SYSTEM & SUMPS**  
EQIUS connection. Fit with EQIUS Dynamic 100 sealant  
EQIUS Chevaline Dex

**CONNECTION TO VERTICAL SURFACE**  
FREE CONNECTION AT THE CHEVALINE DEX FLOORING END  
EQIUS Chevaline Dex  
Connecting area

**Expansion Joints**  
EQIUS Chevaline Dex  
EQIUS Dynamic 100 sealant

**General Notes:**  
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PROJECT:	Chevaline Dex Waterproofing Membrane on Concrete Substrate Standard Details
TITLE:	Typical Detail
NUMBER:	ECDC-D14
SCALE:	NTS
DRAWN BY:	NKT
DATE:	12-Mar-2024
REVISED:	

**equus**  
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# WHO ARE WE?

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

Equus can provide complete solutions, systems, specifications, technical support and warranties.



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