

Standard Specification for the application of Chevaline Dexx on Plywood roofs and light traffic decks

Project:
Specification: P3011
Date: April 2020
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1.0 PREAMBLE:

This specification is for the application of the **Chevaline Dexx** Waterproof Membrane System to plywood surfaces for new construction, **Chevaline Dexx** can be used for both roofing and trafficable deck areas. These areas generally occur in domestic and light commercial construction.

2.0 SURFACE PREPARATION:

2.1 General Responsibility:

Unless expressly agreed otherwise at time of contract pricing, all work in this section shall be the responsibility of the Main Contractor, whether carried out by his own staff, other sub-trades or the Specialist Finishes Sub-Contractor. In the latter case, such preparatory work shall be priced separately from work defined in Sections 3.0-5.0 inclusive.

2.2 Plywood Grade and Thickness:

Structural Underlay - general usage:

Plywood shall be minimum 21mm C-D treated structural plywood, unless otherwise expressly stipulated by the specifier.

2.3 Sheet Layout:

All sheets shall be laid out so as to maximise the use of whole sheets. All sheet joints shall be laid over framing members. Should be laid in brick-block style.

2.4 Back Priming:

Sheets used over spaces, which are not ventilated, may be back-primed with **Chevaline Dexx Primer** prior to installation.

2.5 Sheet Spacing:

Sheets shall be laid tight butt-jointed, with edges pre-primed with **Chevaline Dexx Primer**.

2.6 Sheet Fixing:

Plywood must be fixed in accordance with Manufacturer's instructions taking into account wind-loading, frame spacing and ply thickness. Screw-fixing is preferred using countersunk corrosion-resistant screws. At the very least, on small deck areas, all corners must be screw-fixed, with screw nails for the balance.

All sheets shall be laid in a bead of construction adhesive along all framing members.

All fastener heads shall be recessed below the level of the sheet face.

All surface defects and fasteners shall be flushed out with approved filler such as **Epar Epoxy 801**.

3.0 SURFACE PRETREATMENT:

3.1 Surface Defects:

All splits and surface defects shall be flushed with **Epar Epoxy 801**, which shall be allowed to dry before membrane application is begun. This shall include any gaps because of irregularities in sheet edges at tight-butt joints.

3.2 Treatment of Plywood Joints:

Apply a 150mm wide strip of 300gsm. chopped strand fibreglass mat centered over all joints, and firmly bedded in **Chevaline Dexx**. This shall be done after priming (see 4.1) and before membrane application.

3.3 Upstands, Blocking, Plinths, Junctions and Joints:

All vertical/horizontal transitions and joints shall have a minimum 150mm wide strip of 225 gsm or 300 gsm glass fibre mat embedded in **Chevaline Dexx** and centered on the transition/joint as additional stress reinforcement. This shall be done after priming and before application of the **Dexx** membrane layer.

4.0 MEMBRANE APPLICATION:

4.1 Primer:

All plywood surfaces to be coated shall be primed with **Chevaline Dexx Primer** onto dry surfaces or **Chevaline Epistixx**. Where **Epistixx** is used, care shall be taken with mixing and dilution, and an overnight dry shall be allowed.

4.2 Membrane Application:

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

- **Chevaline Dexx Bodycoat**
 Glassfibre mat (laid into wet Bodycoat)
 Chevaline Dexx Bodycoat (applied to wet glassfibre mat)
- **Chevaline Dexx Bodycoat**
- **Chevaline Dexx Bodycoat**

Application shall at all times be in accordance with Manufacturer's instructions particularly with regard to spreading rates and dry times, to ensure a sound tight membrane is achieved.

4.3 Extra Thickness - Traffic Areas:

In areas of high traffic use allowance shall be made for an additional thickness of glass fibre mat and an additional bodycoat within the membrane system, to ensure resistance to such traffic and increased likelihood of impact damage. Such areas shall be clearly delineated on plans.

4.4 Glazecoat:

.1 All High Traffic Use Surfaces:

These surfaces shall be sealed with a minimum of one (1) coat of **Traxx 2000** applied by soft broom, roller or spray at a spreading rate of approx 11-12 sqm/litre as supplied.

.2 All other Surfaces:

These surfaces shall be sealed with one (1) full coat of **Chevaline Dexx Topcoat** applied by roller, brush or spray at a spreading rate of 10-11 sqm/litre as supplied.

5.0 SPECIFICATION NOTES:

5.1 Upstands/Coves/Sumps/Downturns:

The **Dexx** Membrane shall be taken 100mm up all associated upstands, and turned into any rainwater sumps which may be incorporated in the deck. Where permanent ponding is likely in sumps and gutters, a finish coat of **Traxx 2000 Wearcoat** applied at 8-10 sqm/litre should be substituted for the chosen wear coat.

5.2 Water Entry Points:

Ensure that all likely construction details which may allow water entry to the area beneath the membrane are adequately sealed. This may necessitate extension of the **Dexx** Membrane or a compatible waterproof coating system to drip edges, particularly on associated stub walls and overhangs, where the **Dexx** membrane should be turned down the entire thickness of the roof/deck to a drip edge.

5.3 Colour and Gloss

The colour of the membrane and glazecoat shall be the same in any area, and shall be nominated by the Architect. The gloss shall be stipulated by the Architect either Gloss, Satin, depending on service conditions and appearance required.

5.1 Optional Wearcoat:

Where a non-slip surface is necessary, **Dexx Wearcoat** shall be used as an additional coat prior to application of **Traxx 2000** or **Dexx Topcoat**. This is recommended on stairs and landings in particular.

5.2 Placing in Service/Tiling:

The treated areas may be placed in service 48 hours after glazecoat application.

6.0 MAINTENANCE AND WARRANTY:

6.1 Maintenance:

The **Chevaline Dexx** Membrane may be cleaned at any time by low pressure spraying/brooming and hosing off using a weak (0.1%) neutral detergent solution. Floor sweeping machines and/or abrasive cleaning agents shall not be used.

It is recommended that the surface be inspected at 4-5 yearly intervals, and, if necessary, a further application of **Chevaline Dexx Topcoat** as appropriate be carried out to preserve the appearance and performance of the applied membrane.

Should mechanical damage occur because of undue wear, vandalism or associated building maintenance, the **Dexx** can be easily replaced by patching and/or resurfacing as required, after simple preparation.

6.2 Warranty:

The **Chevaline Dexx** membrane system described in this specification may be warranted as waterproof for a period of up to fifteen (15) years, provided that:

- (a) All work is carried out by an Approved Equus Applicator.
- (b) All work is carried out in accordance with this specification or any amendments or additions thereto made by the Manufacturer.
- (c) For warranty periods in excess of ten (10) years the warranty includes the appropriate Maintenance Statement

The warranty is provided to the client by the Equus Applicator carrying out the work and is backed by the Manufacturer as to the fitness for purpose of the materials supplied for the contract.

It should be noted that as the surface may be a wearing surface, certain provisions regarding mechanical damage and maintenance recoating may be incorporated within the warranty, depending entirely upon the declared intended use to which the surface is to be put.

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