

Chevaline DEXX

Flexible Reinforced Roof and Deck Membrane

Key Benefits Summary:

- 20 years of Proven performance in New Zealand conditions
- Excellent durability
- Ease of use
- Applicable to a variety of surfaces in both horizontal and vertical situations
- Wide colour range available
- Ease of detailing even on complicated shapes
- Easy long-term maintenance
- Applied by Approved Equus Applicators

Limitations:

- Special design and maintenance criteria apply for vehicular traffic installations.
- May require weather protection for correct cure when applied in cold/damp ambient daytime temperatures
- Creasing may occur at plywood joints in correctly detailed installations.

Purpose & 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. **DEXX** is always used in conformance with Equus Standard Specifications.

Product:

The liquid **DEXX** material is 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. **DEXX** is available in **FD** grade for application in adverse conditions.

Process Compatibility:

DEXX is always used in conjunction with 300gsm glassfibre E-mat as reinforcement except for parapet detailing where 225gsm 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**, **Colourglaze**, **Traxx Colourseal**, **Traxx 2000 Wearcoat**. Refer to Standard Specifications for guidance on primer and topcoat usage.

Colours:

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:

15 litre plastic pail.

Physical Properties:

Liquid Material:	(DEXX Bodycoat)
Volume Solids:	47%
Specific Gravity:	1.30
Flash Point:	None
Shelf Life:	3 years in original sealed container, when stored in cool, dry conditions.
Applied Film:	Standard System
Flexibility:	Passes 3mm mandrel
Durability:	Excellent long term service
Chemical Resistance:	Excellent resistance to all normal environmental pollutants.
Fungus Resistance:	Chevaline DEXX contains a highly effective anti-fungal preparation.
Normal Film Thickness:	1.2-1.5mm depending on number of glass cloth layers used.

Performance:

When correctly detailed and installed, **DEXX** membranes comply with the following Clauses of the Building Code.

B2 Durability	E3 Internal Moisture
E2 External Moisture	F3 Hazardous Materials

Surface Preparation:

Concrete Roofs and Decks:

Moskill if necessary, patch all holes and pretreat cracks (but not movement joints), by cleaning out, filling with **Thermexx Plaster** and overlaying with 300gsm fibreglass E-mat 150mm strip embedded in **DEXX**. Ensure surface is well cleaned, and dry before proceeding with application.

Mastic Asphalt:

Ensure surface is level, and all holes and cracks are filled with a bituminous patch mix or **Chevacryl Admix Plaster**, particularly those where blisters have been cut out.

Exterior Plywood:

Ensure sheets are tight-butted, well fastened (stainless steel screws) 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.

Priming:

Concrete, Mastic Asphalt, Previously coated surfaces: **DEXX Primer** or **Epistixx**.

Priming:

Plywood: **Chevaprime-U**, **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 6-10sqm/litre of mix.

Application Method:

All **Dexx** bodycoats should be roller-applied with a medium/long nap-roller. Final topcoat, glazecoats or wearcoats 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/Glazecoat

(*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 of the mat is well worked in to eliminate air-trap.

Application Properties:**Spreading Rate:**

3 coat system: 2.0-2.5sqm/litre/coat
(30-37.5sqm/15L pail/coat)

4 and 5 coat system: 2.25-2.4sqm/litre/coat
(34-36sqm/15L pail/coat)

Dexx Wearcoat: 3.0-6.0sqm/litre depending on texture
(45-90sqm/15L pail/coat)

**Dexx Topcoat /
Colourglaze:** 10sqm/litre (150sqm/15L pail).
Spreading rates indicated must **not** be exceeded if satisfactory performance is to be achieved.

Dry Time:

Touch Dry: 1-2 hours)
Through Dry: 8-16 hours) at normal conditions
Full Hardness: 7-10 days)

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.

NOTE: Normal conditions are 18-23°C and 60-70% R.H. Cooler and/or more humid conditions may prolong dry times.

Recoat Time:

Self-recoat 4-8 hours or as soon as operator can walk over the surface. In adverse weather conditions, use **Dexx FD**.

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

Thinning/Clean 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.

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.

EQUUS SAFETY CLASS 1.
Shipping Restrictions: None.

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