

CHEVALINE DEXX PLANT ROOM SYSTEM

Waterproofing for interior/exterior plant rooms and decks

December 2024

PURPOSE AND AREAS OF USE:

The Chevaline DEXX 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 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 system is designed for sealing and protecting interior or exterior plant rooms and decks. The membrane is an easy to apply and maintain, economical waterproofing system with proven durability and trafficability. Chemical resistant topcoats prevent damage to the building fabric because of water or chemical spillage, plant malfunction and maintenance.

Slip resistance may be incorporated into the membrane system for onsite safety purposes. The fibreglass mat reinforcement accommodates concrete stresses in all directions and will contain the spread of any such spillages within the plant room area or bund.

PRODUCT:

The system encompasses the products below. Refer to standard specification P3018 for full specification details.

Chevaline Epistix
Chevaline DEXX Primer
Fibreglass Mat
Chevaline DEXX
Chevaline DEXX Wearcoat
Traxx 2000 Wearcoat
Traxx 2000 SHS Wearcoat

COLOUR:

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

SCOPE OF USE:

Chevaline DEXX Membrane can be used on new and existing concrete as a protective waterproofing membrane for plant rooms and decks, and with the inclusion of aggregate in the body coat to form Chevaline DEXX Wearcoat, the membrane is also applicable where non-slip finishes are required. The Traxx range of topcoats provide the membrane with membrane a heavier duty, chemical resistant finish.

Chevaline DEXX Membrane can be applied in a vast range of waterproofing applications where approved by Equus Industries Ltd. Including roof and deck waterproofing (See Chevaline DEXX Roof & Deck Membrane), wet areas (See Chevaline DEXX Wet Area Membrane) and light vehicular traffic (See Chevaline DEXX Carpark Membrane).

CONDITIONS OF USE:

Chevaline DEXX can be used with substrates meeting the requirements laid out in the TDSs at www.equus.nz. The installation must be done by a Certified Equus Applicator. Verification of their 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 by Equus Industries Ltd.

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BUILDING CODE COMPLIANCE:

B2 Durability - B2.3.1 (a), B2.3.2 (a,b) Chevaline Dexe 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 Dexe 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 Dexe 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 Dexe Wearcoat. See Opus Slip Resistance Report.

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

F2 Hazardous building materials - F2.3.1 Well known experience with the type of materials used together with in-service history, show that Chevaline Dexe complies with this performance requirement. Refer to SDS at www.equus.nz

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

SUPPORTING DOCUMENTATION:

The following additional documentation supports the above statements:

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

WARNINGS AND BANS:

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

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