DEBOFLEX 2.5 T/F C175

Flexible waterproofing membrane

July 2026

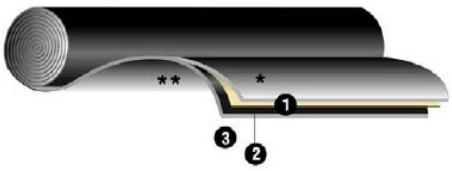
DESCRIPTION & APPLICATION:

A flexible waterproofing membrane consisting of a mixture of penetration bitumen, improved with SBS (Styrene-Butadiene-Styrene). It is reinforced with a composite fleece of 175 g/m² polyester and glass. The upper side is finished with a mixture of talcum and sand, and the underside is covered with a sacrificial film. It is used as an underlay or a vapour control layer for torched or mechanically fixed application.

CodeMark CMNZ70151

BRANZ Appraised Appraisal No. 1169

BRANZ Appraised Appraisal No. 685



* coloured slates
1. Upper coating in TPO-plastomer modified bitumen
2.. Composite reinforcement 180 g/m² of polyester and glass scrim
3. Under coating in SBS elastomer bitumen
** sacrificial film

PACKAGING:

Roll size: 10 m
Roll weight: 25 kg
Number of rolls on a pallet: 30

TECHNICAL DATA:

Characteristics	Test Method	Units	Expression of Result	Value
Length x width	EN 1848-1	m x m	MLV ≥	10 x 1
Thickness	EN 1849-1	mm	MDV ± 5%	2.5
Visual defects	EN 1850-1	-	Pass/No Pass	Pass
Straightness	EN 1848-1	-	Pass/No Pass	Pass
Reaction to fire	EN 13501-1	-	In accordance with EN 13501-1	F
Tensile strength (L/T)	EN 12311-1	N/50 mm	MDV ± 20%	780/650
Elongation (L/T)	EN 12311-1	%	MDV ± 15	30/30
Water vapour properties (μ)	EN 13707	-	MLV ≥	20000
(μ)eq		m	MLV ≥	50
Resistance to tearing (nail shank) (L/T)	EN 12310-1	N	MLV ± 50	300/300
Flexibility at -initial	EN 1109	°C	MLV ≤	-15
Flow resistance at elevated temperature -initial	EN 1110	°C	MLV ≥	110
Watertightness	EN 1928	-	Pass/No Pass	Pass

MDV: Manufacturer's Declared Value
MLV: Manufacturer's Limiting Value
NPD: No Performances Declared

masterspec partner

4421EB Equus Soprema Colphene Tanking Membrane
4421ED Equus Duotherm Warm Roof & Deck System by Soprema

BBA n° 98/3537

NL-BSD-BD 007

BC2-310-0296-0123-01

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 without notice.

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SCOPE OF USE:
DEBOFLEX 2.5 T/F C175 is used as a flexible base sheet the Soprema range of bitumen membrane systems; primarily DUO Roof & Deck Membrane System and the DUOTHERM Warm Roof System. The product can be torch-applied over concrete, plywood, cross-laminated timber (CLT), and roof cover board substrates, or mechanically fastened over PIR or mineral wool roofing insulation. Along with a cap sheet the membrane forms a two-layer waterproof membrane designed for roofs, decks, balconies, terraces and podiums. It is suitable for new builds and refurbishments, residential and commercial construction, in any location and wind zone in New Zealand.

Suitable for other waterproofing applications with written approval by Equus Industries Ltd.

CONDITIONS OF USE:
Written approval is required for this membrane to be used on a substrate or in a waterproofing system not outlined in the standard Equus specifications. The membrane shall always be over laid with a bitumen membrane cap sheet, as out lined in an Equus standard specification.

The product must be installed 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.

BUILDING CODE COMPLIANCE:
B2 Durability - B2.3.1 (b), DEBOFLEX 2.5 T/F C175 has a durability of at least 15 years, and a life expectancy of 35 years, when installed with the correct specification, installation and maintenance. See CodeMark CMNZ70151, BRANZ Appraisal 685, DUO Durability Study.

E2 External moisture - E2.3.1, E2.3.2, E2.3.7 Test data, together with in-service history in New Zealand and internationally, of the correctly installed DEBOFLEX 2.5 T/F C175 membrane over correctly designed and constructed substrates, show that the membrane successfully resists the ingress of moisture. See CodeMark CMNZ70151, BRANZ Appraisal 685, DUO Durability Study.

F2 Hazardous building materials - F2.3.1 Well known experience with the type of materials used together with in-service history, show that DEBOFLEX 2.5 T/F C175 complies with this performance requirement. Refer to SDS at www.equus.nz

SUPPORTING DOCUMENTATION:
Can be found at: www.equus.nz

STORAGE:
Membrane rolls shall be stored in a dry area, always in an upright (vertical) position. Do not lay rolls flat (horizontal) when storing.

HEALTH & SAFETY:
SOPRADERE QUICK primer is solvent-based and must be used with adequate ventilation. Remove all naked flames and sources of ignition. Adequate ventilation is required to minimise exposure to bitumen fumes during the torching process. Safety Data Sheet (SDS) must be read and understood prior to use of product.

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WARNINGS AND BANS:

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

MANUFACTURERS CONTACT DETAILS:

Manufacture location	Belgium
Legal and trading name of manufacturer	Soprema New Zealand Limited
Manufacturer address for service	Level 3, Candida Building 4, 61 Constellation Drive, Mairangi Bay, Auckland 0630, New Zealand
Manufacturer website	www.soprema.com.au
Manufacturer email	info@soprema.com.au
Manufacturer phone number	+61 3 9221 6230
Manufacturer NZBN	9429050312962

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