

Equus / Soprema Duo HT 4 Slates/F C180 Firecare waterproofing membrane

Product Technical Statement: 106255



A TPO/SBS bituminous, fire-retardant waterproofing membrane for increased fire safety.

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Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include technical information by manufacturer and either a BRANZ or independent Appraisal or CodeMark



Equus / Soprema confirms that this minimum level of assurance has been met or exceeded by the following:

CodeMark
[CMNZ70151](#)
BRANZ Appraisal
[685](#)



Technical Statement

Product Description

Equus De Boer Duo HT 4 Slates/F C180 Firecare is a 4mm thick flexible, **fire-retardant** waterproofing membrane used as a cap sheet in a two-layer system. It is composed of a TPO (Thermoplastic Poly Olefins) plastomer modified bitumen upper coating, a SBS (Styrene Butadiene Styrene) elastomer bitumen under coating and reinforced with a composite reinforcement of 180 g/m² polyester and glass scrim. The membrane has a pre-manufactured overlap of 80mm made of SBS elastomer modified bitumen. This cap sheet is designed for fire resistant applications and meets European standards ENV 1187 and BS 476-3. Supplied in 1m x 8m rolls. Standard colours available are Grey/White (GW) & White/Green/Grey (WGG). Brown Oxide (BO) & Black (AGR) available on request. For waterproofing of concrete and plywood flat roofs, decks, gutters, balconies and terraces that can use additional protection against fire and spread of flame. Especially recommended on public buildings such as schools or hospitals.

Scope of use

Equus Soprema Duo Roof Membrane Systems have been appraised as roof waterproofing membranes on buildings within the following scopes:

- the scope limitations of NZBC Acceptable Solution E2/AS1 paragraph 1.1 or
- the scope limitations of NZBC Acceptable Solution E2/AS1 paragraph 1.1, with regards to building height and floor plan area when subject to specific structural design, and
- with substrates of plywood or suspended concrete slab, and
- situated in NZS 3604 Wind Zones, up to and including Extra High or
- situated within specific design wind pressures up to a maximum design differential ultimate limit state (ULS) of 4Kpa and
- with the weather tightness design of junctions for each specific structure being the responsibility of the building designer.
- nominally flat or pitched roofs instructed to drain water to gutters and drainage outlets comply with the NZBC
- with no integral roof gardens.

New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B2 Durability:** Performance B2.3.1(b)
- **Clause E2 External moisture:** Performance E2.3.1, E2.3.2
- **Clause F2 Hazardous building materials:** Performance F2.3.1

Notes

Durability 15 years

Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:



CodeMark
[CMNZ70151](#)



BRANZ Appraisal
[685](#)

Product Criteria

masterspec partner

Company Contact Details



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Installation requirements

Must be installed by an approved Equus applicator.

Installation of substrates must be completed by a trades person with understanding of roof construction,

Maintenance requirements

The membrane roof system must be checked annually for damage rubbish or debris. Any damage such as small punctures or tears must be repaired by a recommended Equus applicator.

Warrantees

10+5 year De Boer Insurance Backed material warranty.



Date last validated: **11 June 2021**



Date last updated: **11 June 2021**

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