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Soprema DuO Roof and Deck Membrane Systems

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Abbreviation
Appraisal number 685
Amendment
25/08/2020
Valid from
27/05/2016

Information provider
BRANZ Limited
Information type
BRANZ Appraisal
Format
PDF

Description

Soprema DuO Roof and Deck Membrane Systems are modified bitumen waterproofing membranes for roofs and decks.

Scope

Soprema DuO Membrane Systems have been appraised as roof and deck waterproofing membranes on buildings within the following scope:

- The scope limitations of NZBC Acceptable Solution E2/AS1 paragraph 1.1.
- 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.
- With substrates of plywood or suspended concrete slab.
- With minimum falls for plywood substrate roofs of 1:30, for concrete substrate roofs of 1:60 and for decks of 1:40.
- With deck size limited to 40 m².
- Situated in NZS 3604 wind zones up to and including extra high.

Soprema DuO Membrane Systems have also been appraised as roof and deck waterproofing membranes on buildings within the following scope:

- Subject to specific structural and weathertightness design.
- With substrates of plywood or suspended concrete slab.
- Situated in specific design wind pressures up to a maximum design differential ultimate limit state (ULS) of 4.5 kPa.
- With the weathertightness design of junctions for each specific structure being the responsibility of the building designer.

Roofs and decks waterproofed with Soprema DuO Membrane Systems must be designed and constructed in accordance with the following limitations:

- Nominally flat roofs and decks and pitched roofs constructed to drain water to gutters and drainage outlets

complying with the NZBC.

- With no steps within the deck level, no integral roof gardens and no downpipe direct discharge to decks.
- With the deck membrane continually protected from physical damage by a pedestal protection system.

The design and construction of the substrate and movement and control joints is specific to each building and therefore is the responsibility of the building designer and building contractor and is outside the scope of this Appraisal.

The membrane must be installed by Equus Industries Ltd approved applicators.

For assistance with locating previous versions, please contact the information provider.

Notes/comments

This Appraisal replaces Appraisal No. 685 (2010).

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