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1 R O O F I N G

1.1 Preliminary

Refer to General Conditions of Contract and the Special Conditions in this Specification as appropriate. Read this section in conjunction with all other trade sections.

1.2 Compliance

Comply with the New Zealand Building Code 1992 including all revisions and amendments, Verification Methods where appropriate, and construction principles that are embodied in the Acceptable Solutions.

Comply with all relevant provisions and recommendations of:

2269.0:2012(AS/NZS)	Plywood - Structural - Part 0: Specifications
3114:1987(NZS)	Specification for concrete surface finishes
3500.3:2021(AS|NZS)	Plumbing and drainage, Part 3: Stormwater drainage
3602:2003(NZS)	Timber and wood-based products for use in building
3604:2011(NZS)	Timber-framed buildings
4586:2013(AS)	Slip resistance classification of new pedestrian surface materials
NZBC F2	Hazardous Building Materials
NZBC H1	Energy Efficiency

1.3 Equus Soprema Flagon TPO Roof & Deck Membrane

1.3.1 Scope

1.3.1.1 Scope

Supply and install the **Equus SOPREMA Flagon TPO Roof & Deck Membrane** System and the **Flagon-TPO- THERM Warm Roof System**, as specified herein, to the locations indicated on the design drawings. This includes all system components, accessories, and ancillary items necessary for a complete and functional installation that meets the specified requirements.

The **Flagon Soprema TPO Membrane System** is designed as a UV-resistant, durable, and adhesive/self-adhesive waterproofing solution for roofs, decks, and gutters. It is a single-layer configuration, comprising a fleece or non-fleece-backed backed, providing a flameless installation method suitable for a range of applications.

The **Flagon TPO-THERM Warm Roof System** incorporates thermal insulation to enhance energy efficiency, reduce condensation, and improve the thermal performance of buildings. The system is suitable for new builds and refurbishments, and it can be installed on flat roofs, terraces, and podiums.

All aspects of this work shall be in complete accordance with current Equus Industries Ltd technical literature and publications, including but not limited to **Flagon TPO and Flagon TPO-THERM system** guidelines, detail drawings, technical data sheets, BRANZ appraisals, and all relevant product manufacturers' recommendations (available at equus.nz, or contact via email at info@equus.nz or phone Northern Branch, Auckland: 09 415 4314, Central Branch, Wellington: 04 576 0333 or Southern Branch, Christchurch: 03 353 2434).

No substitutions are permitted for the Equus SOPREMA Flagon TPO or TPO-THERM systems.

For this specification, the following are provided:

- The Equus SOPREMA Flag Flagon TPO Roof & Deck Membrane System is referred to as the "Flagon-TPO Roof & Deck Membrane System."
- The Equus SOPREMA Warm Roof System is referred to as the "Flagon-TPO THERM Warm Roof System."
- All Equus Industries Ltd associated technical literature and publications are collectively referred to as "Technical Literature."
- Equus Industries Ltd is referred to as "Equus."

Installation requirements:

- The installation of both the SOPREMA Flagon-TPO Roof & Deck Membrane and Flagon-TPO Warm Roof Systems must be carried out by Equus Certified Applicators to ensure compliance with all warranty and performance criteria.
- Workmanship and materials must comply with New Zealand Building Code requirements, ensuring durability, weathertightness, and safe practice.

Attachments as follows:

- BRANZ Appraisal No. 1157 (2021) Soprema Flag Flagon TPO Waterproofing Systems
- BRANZ Appraisal No. 1169 (2021) Equus Soprema Warm Roof System
- Technical Data Sheet: EQUUS Flagon TPO Roof and Deck System
- Technical Data Sheet: EQUUS Flagon TPO-THERM Warm Roof System
- Product Specification Sheet P3601: EQUUS Soprema Flagon TPO (substrate: concrete)
- Product Specification Sheet P3602: EQUUS Soprema Flagon TPO (substrate: plywood)

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