TABLE OF CONTENTS

Roofing 4
Mapei TPO Roofing Membrane 4
Appendix 8
Branz Appraisal No. 1101 Mapei Mapeplan TPO Membrane 8

SMARTSPEC

1 ROOFING

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.

1.3 Mapei TPO Roofing Membrane

1.3.1 Scope

Supply and install the specified Mapei membrane roofing system to the locations shown on the drawings, complete with all accessories. All aspects of this work shall be in complete accordance with Mapei product technical literature (check www.mapei.co.nz, or call 09 921 1994 for the latest editions), other relevant product manufacturers' recommendations, and as shown on the drawings.

No substitutions are permitted for the specified Mapei membrane roofing products.

1.3.2 TPO/FPO Membrane System

Polyglass Mapeplan TM 15 Roofing Membrane. 1.5mm thick, pre-finished, single-ply, TPO/FPO, flexible polyolefin synthetic membrane with a high-resistant polyester mesh reinforcement. UV resistant and suitable for all weather conditions. Available in Smart White or Grey colours. Mapeplan TM is a mechanically fastened (not glued) membrane roofing system and can be applied directly to concrete or plywood substrates, or to approved rigid insulation panels as a warm roof membrane. Includes all necessary Mapeplan TM accessories, metal edge-trim and flashings, roof vents and gutter outlets, fixings and sealants for proper installation.
Installed as a waterproof membrane roofing system, complete with system components and accessories, to properly prepared substrates in accordance with the manufacturer's requirements and as shown on the drawings.

Colour:
Location:

Polyglass Mapeplan TM 18 Roofing Membrane. 1.8mm thick, pre-finished, single-ply, TPO/FPO, flexible polyolefin synthetic membrane with a high-resistant polyester mesh reinforcement. UV resistant and suitable for all weather conditions. Available in Smart White or Grey colours. Mapeplan TM is a mechanically fastened (not glued) membrane roofing system and can be applied directly to concrete or plywood substrates, or to approved rigid insulation panels as a warm roof membrane. Includes all necessary Mapeplan TM accessories, metal edge-trim and flashings, roof vents and gutter outlets, fixings and sealants for proper installation.
Installed as a waterproof membrane roofing system, complete with system components and

accessories, to properly prepared substrates in accordance with the manufacturer's requirements and as shown on the drawings.

Colour:
Location:

Polyglass Mapeplan TM 20 Roofing Membrane. 2.0mm thick, pre-finished, single-ply, TPO/FPO, flexible polyolefin synthetic membrane with a high-resistant polyester mesh reinforcement. UV resistant and suitable for all weather conditions. Available in Smart White or Grey colours. Mapeplan TM is a mechanically fastened (not glued) membrane roofing system and can be applied directly to concrete or plywood substrates, or to approved rigid insulation panels as a warm roof membrane. Includes all necessary Mapeplan TM accessories, metal edge-trim and flashings, roof vents and gutter outlets, fixings and sealants for proper installation.
Installed as a waterproof membrane roofing system, complete with system components and accessories, to properly prepared substrates in accordance with the manufacturer's requirements and as shown on the drawings.

Colour:
Location:

1.3.3 Workmanship

Where required by the NZ Building Act 2004 it is the building contractor's responsibility to ensure that all restricted building work is carried out by a Licensed Building Practitioner.

All installation work shall be carried out by Mapei approved applicators, familiar with the specified products and installation techniques, to fully comply with all Mapei warranty requirements, in accordance with the manufacturer's installation requirements and as shown on the drawings. All work shall be such as to leave a neat, efficient, robust and waterproof installation.

Co-operate with other trades to ensure that all preliminary and preparatory works are completed to specification and as shown on the drawings.
Co-ordinate with other trades to install Mapei membrane roofing systems as necessary.

Application of the specified product(s) shall not be undertaken when the ambient temperature is outside the manufacturer's permissible temperature range. Exterior applications shall not be undertaken during inclement weather.

Protect adjacent finished work and surfaces from damage and contamination during installation. Leave completed membrane roofing surfaces clean, sound, waterproof and free of damage and marking.

1.3.4 Storage & Handling

Store Mapei membrane roofing system components and accessories under cover, clear of the ground, on a flat, even and level surface. Keep materials dry, out of direct sunlight and protected from damage, moisture and contamination at all times.

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