



ARDEX Building Product Information Sheet: Ultraply TPO

Product name:	Elevate
Product line (the product line from which the product is customised)	Ultraply TPO External Membrane System. Products were previously known as Firestone – a brand change has been ongoing through 2023.
Product description and its intended use (measurements, materials, usage)	<p>Elevate UltraPly TPO Exterior Membrane is a fully bonded, mechanically fixed or ballasted TPO weldable sheet waterproofing membrane for use as an exposed and non-exposed membrane finishes.</p> <p>System Consists of: Elevate UltraPly TPO 1.5 mm Membrane Elevate UltraPly TPO 1.14 mm Membrane ARDEX UD 150 TPO Unreinforced Flashing - TPO Inside/Outside Corners TPO Universal and Large Pipe Flashing TPO QuickSeam Flashing TPO Bonding Adhesive TPO Cut Edge Sealant TPO General Purpose Sealant TPO Pourable Sealant All Purpose Fasteners HD Seam Plate Pressure Seal Ultraply Fleece Backed TPO</p>
Product identifier (if applicable):	<p>25225 – UltraPly TPO Grey 1.14mm thick 13506 – UltraPly TPO Grey 1.5mm thick 22082 TPO Bonding adhesive 19L 12842 – TPO I/O Corners Grey 20pc CTN 11053 – TPO I/O Corners White 12926 – TPO isoguard HD cover board 13514 – TPO Insulation adhesive 4pc CTN 12956 - TPO quick seam flashing Grey 12609 – TPO HD Seam Plates 1000pc 12822 – TPO T-Joint Covers Grey 100pc/CTN 13030 – TPO AP fasteners 2.25” 11249 TPO Pourable Sealer 12815 – TPO AP fasteners 1.25” 12958 – TPO penetration pockets grey 37164 – TPO HD fasteners 6” 12955 – TPO t-joint covers white 100pcs/CTN 12611 – substrate joint tape 36/CTN 44429 – pressure bar 41714 – spray adhesive 22L cannister 41722 – spray adhesive hose 4m</p>



	<p>41724 – spray adhesive spray gun w/60cm extension 13034 – TPO cut edge sealant 12608 – TPO walkway pad 11052 – TPO unreinforced flashing</p> <p>19402 – TPO 5" AP Fasteners (1000pcs/pail) 13033 – TPO coated Metal Grey 4 x 10</p> <p>24953 – UltraPly Fleece Backed TPO 30.5m x 3.05m x 1.14mm - grey</p>
Place of manufacture:	United States of America
Legal and trading name of the manufacturer(s):	Holcim Solutions and Products LLC
Legal and trading name of the importer	ARDEX New Zealand
Address for service:	15 Alfred Street, Onehunga Auckland New Zealand 1061
Website:	ardex.co.nz
Email address	info@ardexnz.com
Phone No	0800 227 339
NZBN	9429037589653
Relevant Building Code clauses:	<p>B2 Durability: B2.3.1(b), B2.3.2(a) E2 External Moisture: E2.3.1, E2.3.2, E2.3.6 F2 Hazardous Building Materials: F2.3.1</p>
Statement on how the building product is expected to contribute to compliance:	<p>Roofs and decks must be designed and constructed to shed precipitated moisture. They must also take account of snowfalls in snow prone areas. A means of meeting code compliance with NZBC Clause E2.3.1 is given by the Technical Literature.</p> <p>When installed in accordance with this Appraisal and the Technical Literature, Elevate UltraPly™ TPO 1.5 mm and Elevate UltraPly™ TPO 1.14 mm Membranes will prevent the penetration of water and will therefore meet code compliance with NZBC Clause E2.3.2. The membranes are impervious to water and will give a weathertight roof or deck.</p> <p>Elevate UltraPly™ TPO 1.5 mm and Elevate UltraPly™ TPO 1.14 mm Membranes are impermeable; therefore a means of dissipating construction moisture must be provided in the building design and construction to meet code compliance with NZBC Clause E2.3.6.</p> <p>Elevate TPO is BRANZ appraised to show compliance with NZBC regulations.</p>



<p>Limitations on the use of the building product:</p>	<p>The minimum fall to roofs is 1 in 30, plywood decks 1 in 40, suspended concrete slab 1 in 60 and gutters 1 in 100 with no cross seams allowed in the gutter, in accordance with NZBC Acceptable Solution E2/AS1, Paragraph 8.5.1.</p> <p>Roof and deck falls must be built into the substrate and not created with mortar screeds applied over the membranes.</p> <p>Allowance for deflection and settlement of the substrate must be made in the design of the roof or deck to ensure falls are maintained and no ponding of water can occur.</p> <p>Drainage flanges must be used for any outlet and must be fitted with a grate or cage to reduce potential sources of blockages. An overflow must be provided where the deck or balcony does not drain to an external gutter or spouting.</p> <p>Penetrations and upstands of the membrane must be raised above the level of any possible flooding caused by blockage of deck and balcony drainage.</p> <p>The design of details not covered by the Technical Literature is subject to specific weathertightness design</p> <p>Must not be used with LOSP treated timber.</p> <p>Products must not be installed at temperatures less than 6 degrees or if inclement weather is expected.</p> <p>Edges shall be sealed off at the end of days work and all laps completed as job progresses.</p> <p>Perimeter edges must be terminated mechanically or held in place by flashings.</p> <p>Trafficable deck areas must be protected by ARDEX UD150 and tiles or suitable pedestal support systems.</p>
<p>Design requirements that would support the use of the building product:</p>	<p>Large flat areas with minimal complexity.</p>
<p>Installation requirements:</p>	<p>Installers must have completed an ARDEX training course and be in date. Restricted work must be carried out by, or under the supervision of, a Licenced Building Practitioner (LBP) with appropriate licence class.</p>



Maintenance requirements:	No maintenance is required on the proviso significant building movement does not occur. Drainage systems must be maintained, with regular checking for blockages.
Is the building product/building product line subject to warning or ban under section 26?:	No
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