PROCTORGEO IRMA

Separating geotextile for Inverted Roof Membrane Assemblies

Water Control

Vapour Permeable

Product Description

ProctorGeo IRMA is a water resistant and vapour permeable spunbonded polyolefin non-woven geotextile designed for use as a separating layer in ballasted or paved Inverted Roof Membrane Assembly (IRMA) flat roofs.

Applications

ProctorGeo IRMA acts as a vapour permeable separating layer preventing the passage of sand, soil and other debris and acts as a water control layer reducing the rainwater cooling effect caused by rainwater flowing in between the insulation and roof waterproofing layer. ProctorGeo IRMA substitutes conventional fleece filter geofabrics that do not perform as an effective water draining separation layer.

Installation

ProctorGeo IRMA should be loose-laid over the insulation, at right angles to the slope with 300mm weathered overlaps running down the slope and in accordance with the supplied installation guide.

Avoid Rainwater Cooling

When rainwater in IRMA roof systems flows beneath the insulation this impacts negatively on the thermal performance of the roof. By incorporating ProctorGeo IRMA as a water-flow reducing layer directly above the insulation to drain rainwater before it reaches the waterproof layer, the need to compensate for such losses (determined using the method described in BS EN ISO 6946:2007) can be avoided.

Durability

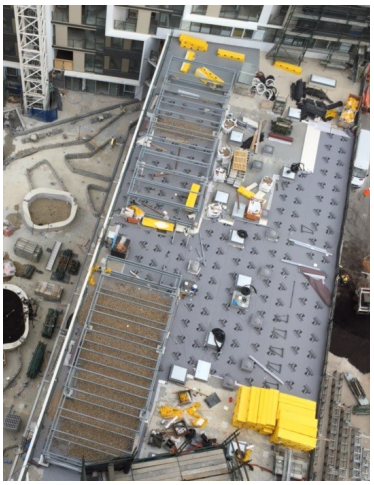
Although ProctorGeo IRMA can be used as temporary protection during construction, it can not be used as a primary waterproofing membrane. The product may be damaged by careless handling, high winds or vandalism, and should not be left uncovered for longer than is absolutely necessary. Any damaged areas should be replaced before completion.

Ensure that ProctorGeo IRMA is covered as soon as possible, and **not left exposed to UV for longer than 4 weeks.** ProctorGeo IRMA is not to be used in installations where it could be exposed to long term UV radiation.

Health & Safety

Information on any known health risks on our products is listed in the Material Safety Data Sheets available from Proctor Group Australia.

All proper safety measures should be taken during installation of ProctorGeo IRMA. All relevant OH&S and statutory regulations must be followed. ProctorGeo IRMA has no anti-slip coating so may be slippery when wet. Carelessly discarded packaging also represents a slip hazard.



Benefits

- Water resistant up to 2.5m head of water
- UV stable for up to 4 weeks exposure
- Resistance to the effects of lime water, sodium chloride solution and sulphurous acid in concentrations required by EN 1847
- Strong, yet lightweight for ease of application
- High vapour permeability
- Available in 1.5m and 3m wide rolls for speed of application
- Easily cut with scissors or knife.
- CE Conformity

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Technical Data

Properties	Test method	Result
Weight	EN 1849-2	100g/m²
Thickness	EN 1849-2	0.38mm
Tensile Strength after artificial ageing	EN 13859-1;2 Annex C	MD: >170N/50mm CD: >100N/50mm
Temperature Range		-40°C / 80°C
Reaction to fire	EN 13501-2	Class E
Resistance to water penetration	EN 1928, EN 13111	Class W1
Resistance to water penetration after artificial ageing	EN 13859-1;2 Annex C	Class W1
Flexibility at low temperature	EN 1109	-20°C
Resistance to tearing	EN 12310-1, EN 13859-1;2	MD: ≥ 60 CD: 70 N
Resistance to the effects of lime water, sodium chloride solution and sulphurous acid	EN 1847	Pass
Hydrostatic pressure	EN 20811	>2.5m
Water vapour transmission properties (Sd)	EN 12572, EN 1931	<0.035m
UV Stability		4 weeks

Product Performance

ProctorPassive DB-FR performs to specification in normal building applications when installed in accordance with the Product User Guide. The information herein is supplied in good faith and to the best of our knowledge was accurate at the time of publication. Users are advised to make their own determination as to the suitability of this information in relation to their particular purpose and specific requirements.

Disclaimer

The details supplied here are based upon good practice and currently available information and should be read in conjunction with the most up to date product user guide. Please check that the this product is suitable for your particular application. Please contact us to discuss your project and any particular technical enquires.

Sample Specification

Separating geotextile should be ProctorGeo IRMA vapour permeable and water shedding geotextile membrane, tested to ETAG 031, installed in accordance with the product user guide.

- Class W1 Resistance to water penetration after artificial ageing EN 13859-1;2 Annex C
- Resistance to the effects of lime water, sodium chloride solution and sulphurous acid (EN 1847)
- Emittance: Non-reflective.

Available from DCTech/Proctor Group Australia.
W: www.proctorgroup.com.au/contact/

Dimensions & Packaging

Product	Width	Length	Roll Area	Roll Coverage (300mm overlaps)	Roll weight	Rolls per pallet
ProctorGeo IRMA 1.5m	1,500mm	50m	75m²	60m²	8kg	39 rolls
ProctorGeo IRMA 3.0m	3,000mm	50m	150m²	135m²	16kg	39 rolls