Datasheet

SECUTOP

PVC Single Ply Waterproofing Membrane

SECUTOP is a PVC based single ply waterproofing membrane produced using the latest technology to ensure consistent quality. It has been thoroughly tested to meet all the required European norms & UK fire requirements and is CE marked making SECUTOP an ideal for new build or refurbishment projects.

Accreditations

SECUTOP has been independently site and laboratory tested by the British Board of Agrement and awarded BBA certificate number 16/5353

Agrément Certificate 16/5353

Use

SECUTOP A - UV stable polyvinyl chloride single ply membrane with reinforcing fleece backing for use in fully adhered installations.

SECUTOP F - UV stable polyvinyl chloride single ply membrane with reinforcing polyester netting for use in mechanically fixed installations.

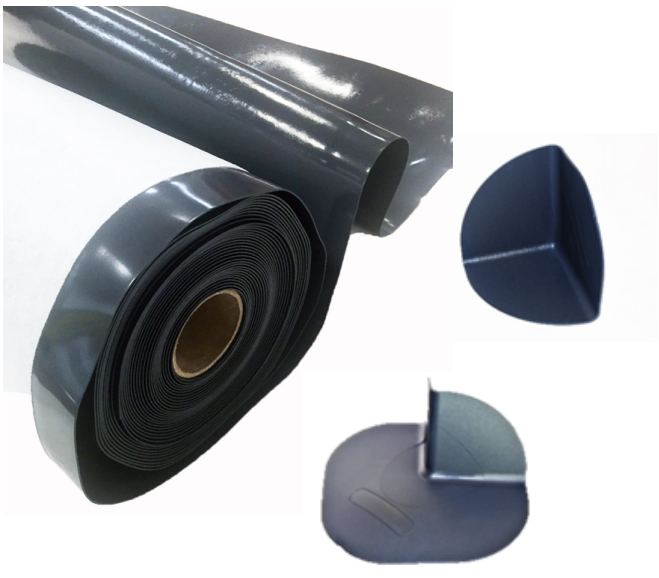
SECUTOP D - UV stable polyvinyl chloride single ply membrane without reinforcement for detailing applications.

Advantages

- Flame Free Application
- Low Maintenance
- Durable
- Excellent System Fire Performance

Performance

PRODUCT	APPLICATION	THICKNESS	COLOUR	AVAILABLE SIZES
SECUTOP A	Fully Adhered	1.5mm (2.5mm with fleece)	Dark Grey	20m x 2.05m (with single selvedge) 20m x 1.05m (with single selvedge)
SECUTOP F	Mechanically Fixed	1.5mm	Dark Grey	20m x 2.1m
SECUTOP D	Detailing	1.5mm	Dark Grey	20m x 100mm 20m x150mm 20m x 200mm 20m x 300mm 20m x 500mm 20m x 1.050m



SECUTOP A membrane & Internal & External Corners

Fire Resistance

Both SECUTOP A and SECUTOP F have been tested as part of a warm roof system under BS 476: Part 3: 2004 and DD CEN/TS1187:2012 Test 4.

Both system achieved a rating of EXT.F.AB and Broof (t4). These rating allow SECUTOP to be installed in any roofing application as defined in Approved Document B of the Building Regulations.

Durability

SECUTOP is resistant to weathering, UV degradation and remains flexible at low temperatures. SECUTOP membranes have a life expectancy in excess of 25 years, providing long lasting assurances for your building.

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Application Details

SECUTOP A is applied to the deck using a cold applied adhesive. The side laps of the membrane are welded using hot air to form a fully watertight joint. Mechanical restraint of **SECUTOP A** is always required at the roof perimeter, at the bottom of changes of slope, change of direction and around details.

SECUTOP F should be applied using approved fasteners at a ratio suitable for the site conditions. Consideration must be paid to the effects of wind uplift on the membrane. Further advice and calculations can be provided by ICB (Waterproofing) LTD. Mechanical restraint of **SECUTOP F** is always required at the roof perimeter, at the bottom of changes of slope and around details.

Full installation details are available from ICB (Waterproofing) LTD.

Site Preparation

A site inspection should be made to ensure that substrates are satisfactory for the application of adhesives etc. prior to commencement of work. The substrates must be free of all protrusions; nail heads must be punched flush to the surface, and nibs of concrete and cement or other protrusions must be removed. For uneven substrates it may be necessary to lay a leveling layer first.

When mechanically fixing to substrates, it is important that decks are sound and strong enough to provide the appropriate wind uplift resistance. This is most important when carrying out remedial/ refurbishment work; where fixing pull-out test must be carried out prior to the works commencing.

Moisture in Substrates

The roofing contractor must ensure that all plywood and insulation boards are kept dry at all times.
Concrete, sand and cement screeds, brickwork, masonry, render and similar substrates can contain a considerable amount of moisture, particularly if exposed to the elements during the construction period, though the surfaces appear to be dry. If membranes are bonded to wet or damp surfaces, moisture will be trapped between the membrane and the surface; and after a short period of time the bond strength will be destroyed. It is therefore important to establish the moisture content in the substrate and, if necessary, carry out a bonding test prior to full application of the membranes.

System Accessories

SECUMET - PVC membrane coated metal, dark grey, in sheets, formed drip edges, water-checks, flashing profiles etc.

Outlets, Vents, Standing Seam Profiles, Solar Fixing Profiles, Lightning Conductor Clips, Rooflights.

Internal & External Corners - Pre-formed PVC corners

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DECLARATION OF ESSENTIAL CHARACTERISTICS				
Essential Characteristic	**Harmonsied Technical Specification**	**Performance**		
		SECUTOP A	**SECUTOP F**	**SECUTOP D**
Watertightness	EN 1928:2001	Passed	Passed	Passed
Mass per unit area	EN 1849-2:2001	2240 g/m²	2206 g/m²	2059 g/m²
Reaction to Fire	EN 13501-1+A1:2009	Class E	Class E	Class E
Joint Peel Resistance	EN 12316-2:2013	Av 566 N/50mm	Av 710 N/50mm	Av 583 N/50mm
Joint Shear Resistance	EN 12317-2:2010	Av 1200 N	Av 1526 N	Av 1084 N
Tensile Stength/Longitudinal	EN 12311-2:2013	Av 1360 N50mm	Av 1696 N/50mm	Av 1425 N/50mm
Tensile Strength/Transverse	EN 12311-2:2013	Av 1234 N/50mm	Av 1545 N/50mm	Av 1511 N/50mm
Elongation at rupture/Longitudinal	EN 12311-2:2013	AV 320%	Av 28%	Av 409%
Elongation at rupture/Transverse	EN 12311-2:2013	Av 316%	Av 24%	Av 385%
Resistance to impact	EN 12691:2006	0.80m	0.90m	0.80m
Resistance to static loading	EN 12730:2001	20kg	20kg	20kg
Tear Resistance/Longitudinal	EN 12310-2:2001	Av 539N	Av 643N	Av 301N
Tear Resistance/Transverse	EN 12310-2:2001	Av 399N	Av 690N	Av 296N
Foldability at low temperature	EN 495-5:2013			
UV Radiation	EN 1297:2004	Grade 0 no cracks or crazes	Grade 0 no cracks or crazes	Grade 0 no cracks or crazes
External Fire Exposure	BS 476 pt3: 2004	EXT F.AB	EXT F.AB	EXT F.AB

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