SOLCO

Datasheet

Issue Date: February 2025

Cortex 0560FR Adhesive Flame Retardant Membrane

Description

Cortex 0560FR is a flame retardant flexible membrane with a high bond reinforced adhesive coating for direct bonding to most construction substrates. It has a release liner which can be split where required depending on the application. The material is a 100 % woven Polyester PVC coated front and back, finished with an acrylic lacquer on both sides. It has a textured surface on both sides to ensure maximum bond strength is achieved. Cortex 0560FR is flame retardant to B-s3-d0 (EN13501-1) and is highly UV resistant, watertight and airtight.

Packaging/Storage/Shelf Life

- Rolls can be slit from 50mm-500mm with the release liner slit where required.
- Avoid excessive heat for a prolonged period of time.
- Store in a cool dry place not exceeding 30°C. Keep away from moisture.
- The shelf life is at least 12 months from the date of manufacture under the above-mentioned conditions.

Technical Data

Fire resistance	EN13501-1	B-s3-d0
Thickness		0.50mm
Tensile strength	DIN EN ISO 1421/V1	2200 / 2100 N/50mm
Elongation @ Max Tensile strength	EN 12311-2:2013	28 / 31 %
Tear strength	DIN 53363	230 / 230 N
Temperature resistance	DIN EN 1876-1/PA07.04 intern	-25°C / +70°C
UV resistance	Exposed	10+ years
Equivalent air layer thickness (Sd value)	EN 1931	13m
Water vapour permeability (μ)	EN 1931	23,726
Vapour resistance	EN 1931	59 MNs/g
Elongation at break (Warp) %	DIN EN ISO 1421	25.73
Elongation at break (Weft) %	DIN EN ISO 1421	29.48
Crack resistance	DIN 53359A	100000 x

Adhesive Coating Characteristics

Characteristics	Performance*
Adhesive Carrier	Polyester Scrim
Adhesive System	Acrylic Dispersion
Release Liner	Silicone-coated Paper, Brown
Peel Adhesion	≥30 N/25mm (DIN EN 1939)
Shear Adhesion	500g/625mm² (DIN EN 1943)
Processing Temperature	+5°C recommended, processable from -10°C
Temperature resistance	-30°C to +100°C
Tack	Excellent
Condensation Water Resistance	High
Ageing Resistance	Very High

* Values refer to adhesive coating layer only