



CORTEX®
Fire Rated Sealing System



Technical Data Sheet: Cortex 0500FR Flame Retardant Membrane

Product Description

Cortex 0500FR is a flame-retardant flexible membrane used for sealing interfaces to provide an airtight and weathertight seal on construction projects.

It has a textured surface on both sides to ensure maximum bond strength is achieved. Cortex 0500FR is flame retardant to B-s3-d0 (EN13501-1), is highly UV resistant, watertight and airtight.

Technical Data

Fire resistance	EN13501-1	B-s3-d0
Thickness		0.50mm
Tensile strength	DIN EN ISO 1421/V1	2200 / 2100 N/50mm
Tear strength	DIN 53363	230 / 230 N
Temperature resistance	DIN EN 1876-1/PA07.04 intern	-40°C / +70°C
Crack resistance	DIN 53359A	100000 x
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

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