


TECHNICAL DATA ALKORTEC F

REINFORCED PLASTIC MEMBRANE FOR MECHANICALLY FASTENED SINGLE LAYER ROOFING SYSTEM

REINFORCEMENT: POLYESTER SCRIM 1100 dTEX

MATERIAL: MIXTURE OF ETHYLENE VINYL ACETATE AND ETHYLENE BUTYL ACRYLATE (EVA/EBA)

PROPERTIES	REQUIREMENTS EN 13956	UNIT	TYPE 35196	STANDARD
5.2.1 VISIBLE DEFECTS (FPC)	PASS		OK	EN 1850-2
5.2.2 DIMENSIONS, TOLERANCES AND MASS PER UNIT AREA (FPC)				
LENGTH	MDV	m	15/20	EN 1848-2
WIDTH	MDV	m	1,05/1,60/2,10	EN 1848-2
STRAIGHTNESS	MLV	mm	<= 30	EN 1848-2
FLATNESS	MLV	mm	<= 10	EN 1848-2
THICKNESS	MDV	mm	1,2/1,5/1,8	EN 1849-2
5.2.3 WATERTIGHTNESS (M102)	PASS	kPa	>= 10	EN 1928
5.2.4 EFFECTS OF LIQUID CHEMICALS INCLUDING WATER (ANNEX C)	MDV	PASS	OK	EN 1847
5.2.5 FIRE PERFORMANCE (M102)				
EXTERNAL FIRE		CLASS	BroofT 1	EN 13501-5
REACTION TO FIRE		CLASS	E	EN 13501-1
5.2.6 HAIL RESISTANCE	MLV	m/s	>= 17	EN 13583
5.2.7 JOINT STRENGTH (M102)				
PEEL RESISTANCE	MLV	N/50 mm	>= 150	EN 12316-2
SHEAR RESISTANCE	MLV	N/50 mm	>= 800	EN 12317-2



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PROPERTIES	REQUIREMENTS EN 13956	UNIT	TYPE 35196	STANDARD
5.2.8 WATER VAPOUR PROPERTIES				
	MDV * +/- 50 %		15000*	EN 1931
5.2.9 TENSILE PROPERTIES (FPC) (M102)				
STRENGTH	MLV	N/50 mm	>= 1000	EN 12311-2
ELONGATION	MLV	%	>= 15	EN 12311-2
5.2.10 RESISTANCE TO IMPACT (M102)				
	MLV	mm	>= 300	EN 12691
5.2.11 RESISTANCE TO STATIC LOADING (M102)				
	MLV	kg	>= 20	EN 12730
5.2.12 TEAR RESISTANCE (FPC) (M102)				
	MLV	N	>= 180	EN 12310-2
5.2.13 RESISTANCE TO ROOT PENETRATION (M102)				
	PASS		OK	EN 13948
5.2.14 DIMENSIONAL STABILITY (FPC)				
	MLV	%	<= 0,3	EN 1107-2
5.2.15 FOLDABILITY AT LOW TEMPERATURE (M102)				
	MLV	°C	<= -20	EN 495-5
5.2.16 BEHAVIOUR FOLLOWING EXPOSURE TO UV RADIATION, ELEVATED TEMPERATURE, WATER (M102)				
	PASS		OK	EN 1297
5.2.17 RESISTANCE TO OZONE				
	PASS		NR	EN 1844
5.2.18 EXPOSURE TO CONTACT WITH BITUMEN				
	PASS		OK	EN 1548

NR: NOT RELEVANT

Single layer system

The waterproof layer is laid as a single sheet.

The joints consist usually of a simple overlay at the edges.

The joints usually are to be formed on site.

The joints between sheets are welded by the action of heat.

Roof accessibility

Limited access roofs: maintenance traffic only, excluding maintenance of equipment placed on the roof requiring frequent access, unless particular walking ways are present.

