



West Road
Ransomes Europark
IPSWICH
IP3 9SX

www.axter.co.uk



BS EN 13707 GB06/69203

Prepared
23/10/2013
Cancels and replaces

Code :
6000106

PRODUCT DATA SHEET

n° of certification organisation: 0120
Year mark was 1st fixed : 2008

Technical ref:
General SolarPV

PHOENIX SOLAR

DESCRIPTION

PHOENIX SOLAR is a bituminous membrane used for roof waterproofing as part of the General Solar PV photovoltaic waterproofing system.

USE

Underlayer, intermediate layer or cap sheet.

APPLICATION METHOD

Torched

STORAGE

Rolls to be stored upright and away from heat.

COMPOSITION

(indicative)

Reinforcement :	Polyester non-woven reinforced with glass-fibre
Compound :	APAO (amorphous polyalpaolefins) modified bitumen and adhesive polymers
Surface finish :	Surface: polymeric film PE
Under surface finish :	Sand, polymeric film PE/PP, non-stick polymeric film TNT

CHARACTERISTICS

CHARACTERISTICS	STANDARD(BS)	UNITS	NOMINAL VALUES	TOLERANCES
Dimensions	EN 1848-1	Length	10 -1%	MLV
		Width	1 -1%	MLV
	EN 1849-1	Straightness	20mm x 10m	MLV
		Thickness	4.00	± 0.2
Visible defects	EN 1850-1	Visible	Without defects	
Watertightness (A)	EN 1928	kPa	60	MLV
External fire performance	EN 13501-5	B roof	F Roof	
Reaction to fire	EN 1350-1	Class	F	
Shear resistance longitudinal/transversal	EN 12317-1	N/50mm	500/500	MLV
Tensile strength longitudinal/transversal	EN 12311-1	N/50mm	900/650	MLV
Elongation at break Longitudinal/transversal	EN 12311-1	%	40/45	± 15 absolute
Resistance to impact	EN 12691	mm	1250	MLV
Resistance to static loading Method A	EN 12730	kg	20	MLV
Resistance to tearing (nail shank)	EN 12310-1	N	200/200	-30N
Dimensional stability longitudinal/transversal	EN 1107-1 met.A	%	±0.3%	MLV
Flexibility at low temperature	EN 1109	°C	-35	MLV
Flow resistance at elevated temperature	EN 1110	°C	140	MLV
Flexibility at low temperature after artificial ageing	EN 1296/ EN 1109	°C	-35	MLV
Flow resistance at elevated temperature after artificial ageing	EN 1296/ EN 1110	°C	140	MLV
Artificial ageing by long term exposure to combination of UV radiation, elevated temperature and water	EN 1297/ EN 1850-1	Visible	Pass	Without defects
Adhesion to photovoltaic modules General Solar PV S	ASTM D 903-98 (2004)	kg/mm	0.12	± 0.02

Dangerous substances consult : <http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm>

MLV = minimum limiting value

The manufacturer reserves the right to modify, at any time, the characteristics of this product.