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BS EN 13707 GB06/69203

Prepared
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Cancels and replaces

Code :

Technical ref:

General SolarPV

PRODUCT DATA SHEET

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

PHOENIX SOLAR TECH

DESCRIPTION

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

USE

Top layer.

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 :	Polymeric film PE non-stick polymeric TNT (lap only)
Under surface finish :	Sand; Polymeric film PE/PP; non-stick polymeric TNT

CHARACTERISTICS

		STANDARD(BS)	UNITS	NOMINAL VALUES	TOLERANCES
Dimensions	Length	EN 1848-1	m	10 -1%	MLV
	Width		m	1 -1%	MLV
	Straightness		mm	20mm x 10m	MLV
	Thickness		EN 1849-1	mm	4.00
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	±20%
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		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.