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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 1<sup>st</sup> fixed : 2008

## PHOENIX SOLAR MINERAL

### DESCRIPTION

PHOENIX SOLAR Mineral 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 :	Mineral self-protection; sand; polymeric film PE/PP; non-stick polymeric TNT (lap only)
Under surface finish :	Polymeric film PE

### CHARACTERISTICS

	STANDARD(BS)	UNITS	NOMINAL VALUES	TOLERANCES
Dimensions	Length	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	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 of granules	EN 12039	%	Max 30%	MDV

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.