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BS EN 13707 GB06/69203 for EN 13707
BS EN 13970

Prepared
23/10/2013
Cancels and replaces

Code :
6000121

PRODUCT DATA SHEET

n° of certification organisation: 0120 (EN 13707)
Year mark was 1st fixed : 2012

HALLEY SOLAR FC 3mm

Technical ref:
General SolarPV

DESCRIPTION

HALLEY SOLAR FC is a bituminous membrane used as a vapour control layer, base or intermediate layer in the General Solar PV photovoltaic roof waterproofing system.

USE

Vapour control layer, base or intermediate layer in a built-up roof waterproofing system.

APPLICATION METHOD

Self-adhesive/heat activated.

STORAGE

Rolls to be stored upright and away from heat.

COMPOSITION

(indicative)

| | |
|------------------------|---|
| Reinforcement : | Polyester non-woven reinforced with glass-fibre |
| Compound : | SBS modified bitumen |
| Surface finish : | Surface: PE film; lap only: silicone film |
| Under surface finish : | Silicone film |

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 | Pass |
| | | Thickness | 3.00 | ± 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 | Pass |
| Shear resistance longitudinal/transversal | EN 12317-1 | N/50mm | 650/450 | ± 20% |
| Water vapour transmission properties Method A | EN 1931 | µSd(m) | 100.000/300 | -20000 |
| Tensile strength longitudinal/transversal | EN 12311-1 | N/50mm | 750/550 | ± 20% |
| Elongation at break Longitudinal/transversal | EN 12311-1 | % | 40/40 | -15 absolute |
| Resistance to impact | EN 12691 | mm | 900 | MLV |
| Resistance to static loading Method A | EN 12730 | kg | 15 | MLV |
| Resistance to tearing (nail shank) | EN 12310-1 | N | 150/150 | -30% |
| Flexibility at low temperature | EN 1109 | °C | -25 | MLV |
| Flow resistance at elevated temperature | EN 1110 | °C | 100 | MLV |
| Water vapour transmission properties after exposure to artificial ageing | EN 1296/ EN 1931 | µSd(m) | 100.000/300 | ± 50% |
| Water vapour transmission properties against chemicals | EN 1847/ EN 1931 | µSd(m) | 100.000/300 | ± 50% |
| Self adhesion properties | ASTM D1000 | N/10mm | 20 | -5 |

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.