

PRODUCT DATA SHEET

n° of certification organisation: 0679
Year mark was 1st fixed : 2006

BARYPRENE UNDERLAYER

Technical ref:

DESCRIPTION

BARYPRENE UNDERLAYER is a stabilised polyester reinforced modified (SBS) bituminous membrane.

USE

Base layer in a multi-layer flat roof waterproofing system.

APPLICATION METHOD

Pour and roll.

STORAGE

Rolls to be stored upright and away from heat.

COMPOSITION

(indicative)

| | | |
|---|----------------------|-------|
| Reinforcement (gm/m ²) : | Stabilised polyester | 120 |
| Binder (gm/m ²) : | Elastomeric bitumen | 1,900 |
| Surface finish (gm/m ²) : | Sand | 300 |
| Under surface finish (gm/m ²) : | Sand | 300 |

CHARACTERISTICS

| | STANDARD(BS) | UNITS | VALUES | Tolerance | | |
|---|--------------|---------------------------------|-------------------------|-----------|------|----|
| | | | | Min | Max | |
| Dimensions | EN 1848-1 | Length | 15 | -1% | | |
| | | Width | 1 | -1% | | |
| | | Straightness | Pass | | | |
| | | Nominal roll weight | 39.9 | | | |
| | EN 1849-1 | Thickness (on finished product) | 2.30 | 2.15 | 2.50 | |
| | | Visible defects | None | | | |
| Adhesion of granules | EN 1850-1 | New product | NA | | | |
| | | After ageing to EN 1297 | NA | | | |
| Resistance to tearing (nail shank) | EN 12039 | % | NA | - | - | |
| | | | Longitudinal | NA | - | - |
| Tensile properties : maximum tensile force | EN 12310-1 | N | NA | - | - | |
| | | | Cross direction | NA | - | - |
| Tensile properties : elongation | EN 12311-1 | N/50 mm | 450 | 320 | 580 | |
| | | | 270 | 250 | 290 | |
| Tensile properties : elongation | EN 12311-1 | % | 25 | 10 | 40 | |
| | | | 25 | 10 | 40 | |
| Peel resistance of joint | EN 12316-1 | N/50mm | NA | - | - | |
| | | | Maximum force | NA | - | - |
| | | | Average force | NA | - | - |
| | | | End joint | NA | - | - |
| Shear resistance of joint | EN 12317-1 | N/50mm | NA | - | - | |
| | | | End joint | NA | - | - |
| Flexibility at low temperature | EN 1109 | °C | -16 | ≤ | | |
| | | | Under surface | -16 | ≤ | |
| Flow resistance at elevated temperature | EN 1110 | °C | 100 | ≥ | | |
| | | | After ageing to EN 1296 | | | |
| Resistance to impact | EN 12691 | mm | NA | ≤ | | |
| Resistance to static loading | EN 12730 (A) | kg | NA | ≥ | | |
| Dimensional stability | EN 1107-1 | % | 0.3 | ≤ | | |
| Form stability under cyclic temperature change | EN 1108 | mm | NA | | | |
| Water vapour transmission properties | EN 1931 | - | μ=20000 | | | |
| | | | After ageing to EN 1296 | NA | | |
| Watertightness | EN 1928 | - | Pass | <10 kPa | | |
| | | | After ageing to EN 1296 | | | NA |
| Watertightness after stretching at low temperature | EN 13897 | % | NA | | | |
| Reaction to fire | EN 13501-1 | - | F | | | |
| Resistance to root penetration | EN 13948 | - | NA | | | |
| Dangerous substances consult : | - | - | None | | | |
| http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm | | | | | | |
| NA=not applicable due to use of product. | | | | | | |