

PRODUCT DATA SHEET

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

PAXALPHA 40 VV 16/100

Technical ref:
STER 81

DESCRIPTION

PAXALPHA 40 VV 16/100 is a glass-fibre reinforced oxidised bitumen waterproofing membrane incorporating a 16/100 aluminium protective finish. Minimum selvedge width is 6cm.

USE

Part of a waterproofing system for civil engineering works, used under mastic asphalt.

APPLICATION METHOD

Torched.

STORAGE

Rolls to be stored upright and away from heat.

COMPOSITION

(indicative)

| | | |
|---------------------------------------------|--------------------|-------|
| Reinforcement (gm/m ²) : | Glass-fibre | 50 |
| Binder (gm/m ²) : | Oxidised bitumen | 3,615 |
| Surface finish (gm/m ²) : | 160µm aluminium | 380 |
| Under surface finish (gm/m ²) : | Thermofusible film | 10 |

CHARACTERISTICS

| | STANDARD(BS) | UNITS | VALUES | Tolerance | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------|-------------------|-----------|------|------|
| | | | | Min | Max | |
| Dimensions | EN 1848-1 | Length | 10 | -1% | | |
| | | Width | 1 | -1% | | |
| | | Straightness | - | Pass | | |
| | EN 1849-1 | Nominal roll weight | 40.6 | | | |
| | | Surface mass | kg/m ² | 4.10 | 3.90 | 4.50 |
| Visible defects | EN 1850-1 | New product | - | None | | |
| | | After ageing to EN 1297 | - | NA | | |
| Adhesion of granules | EN 12039 | % | NA | - | - | |
| Resistance to tearing (nail shank) | EN 12310-1 | Longitudinal | NA | - | - | |
| | | Cross direction | NA | - | - | |
| Tensile properties : maximum tensile force | EN 12311-1 | Longitudinal | 700 | 500 | 940 | |
| | | Cross direction | 600 | 500 | 700 | |
| Tensile properties : elongation | EN 12311-1 | Longitudinal | 3 | 2 | 9 | |
| | | Cross direction | 3 | 2 | 7 | |
| Peel resistance of joint | EN 12316-1 | Maximum force | Selvedge | NA | - | - |
| | | | End joint | NA | - | - |
| | | Average force | Selvedge | NA | - | - |
| | | | End joint | NA | - | - |
| Shear resistance of joint | EN 12317-1 | Maximum force | Selvedge | NA | - | - |
| | | | End joint | NA | - | - |
| Flexibility at low temperature | EN 1109 | Surface | 0 | ≤ | | |
| | | Under surface | 0 | ≤ | | |
| Flow resistance at elevated temperature | EN 1110 | New product | 80 | ≥ | | |
| | | After ageing to EN 1296 | NA | | | |
| Resistance to impact | EN 12691 | mm | NA | ≤ | | |
| Resistance to static loading | EN 12730 (A) | kg | NA | ≥ | | |
| Dimensional stability | EN 1107-1 | % | PND | ≤ | | |
| Form stability under cyclic temperature change | EN 1108 | % | 0.03 | ≤ | | |
| Water vapour transmission properties | EN 1931 | New product | - | µ=20000 | | |
| | | After ageing to EN 1296 | - | NA | | |
| Watertightness | EN 1928 | New product | - | Pass | | |
| | | 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 : http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm | - | - | None | | | |

NA=not applicable due to use of product.
PND=performance not determined