

Technical Data Sheet

WILOTEKT DETAIL MEMBRANE

Wilotekt®-Plus Structural Waterproofing System

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| 1. Description | Wilotekt Detail Membrane is a polyester reinforced elastomeric modified bitumen membrane, self-protected with a mineral surface. The selvedge is 7cm wide. |
| 2. Use | Capsheet for details. |
| 3. Application Method | Fully bonded, with fully sealed joints, using torch-on technique to form continuous layer. |
| 4. Storage | Rolls to be stored upright and away from heat. |
| 5. Composition | (Indicative). See below. |

| | | |
|---|----------------------|-------|
| Reinforcement (g/m²) | Stabilised polyester | 120 |
| Binder (g/m²) | SBS elastomer | 4,000 |
| Surface finish (g/m²) | Slate chippings | 1,000 |
| Under surface finish (g/m²) | Thermofusible film | 10 |

| Characteristics | | Standards (BS) | Units | Value | Tolerance | | |
|--|---------------------------------|----------------|--------|-----------|-----------|------|---|
| | | | | | Min | Max | |
| Dimensions | Length | EN 1848-1 | m | 8 | -1% | | |
| | Width | | m | 1 | -1% | | |
| | Straightness | | - | Pass | | | |
| | Nominal roll weight | EN 1849-1 | kg | 42.8 | 41.2 | 44.4 | |
| | Thickness (on finished product) | | mm | 3.5 | ≥ | | |
| Visible defects | New product | EN 1850-1 | - | None | | | |
| | After ageing to EN 1297 | | - | NA | | | |
| Adhesion of granules | | EN 12039 | % | 15 | - | - | |
| Resistance to tearing (nail shank) | Longitudinal | EN 12310-1 | N | NA | - | - | |
| | Cross direction | | | NA | - | - | |
| Tensile properties: maximum tensile force | Longitudinal | EN 12311-1 | N/50mm | 450 | 320 | - | |
| | Cross direction | | | 275 | 250 | - | |
| Tensile properties: elongation | Longitudinal | EN 12311-1 | % | 15 | 10 | - | |
| | Cross direction | | | 15 | 10 | - | |
| Peel resistance of joint | Maximum force | EN 12316-1 | N/50mm | Selvedge | NA | - | - |
| | | | | End joint | NA | - | - |
| | Average force | | | Selvedge | NA | - | - |
| | | | | End joint | NA | - | - |
| Shear resistance of joint | Maximum force | EN 12317-1 | N/50mm | Selvedge | NA | - | - |
| | | | | End joint | NA | - | - |
| Flexibility at low temperature | Surface | EN 1109 | °C | NA | ≤ | | |
| | Under surface | | | -10 | ≤ | | |
| Flow resistance at elevated temperature | New product | EN 1110 | °C | 90 | ≥ | | |
| | After ageing to EN 1296 | | | 100 | - | - | |
| 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 | % | NA | | | |

| | | | | | |
|--|-------------------------|------------|---|-------------|--------|
| Water vapour transmission properties | New product | EN 1931 | - | $\mu=20000$ | |
| | After ageing to EN 1296 | | - | NA | |
| Watertightness | New product | EN 1928 | - | Pass | <10kPa |
| | After ageing to EN 1296 | | - | NA | |
| Watertightness after stretching at low temperature | | EN 13897 | % | NA | |
| Reaction to fire | | EN 13501-1 | - | NA | |
| Resistance to root penetration | | EN 13948 | - | NA | |
| Dangerous substances consult : http://europa.eu.int/comm/enterprise/construction/internal/dangsub/dangmain.htm | | - | - | NA | |

NA=Not applicable due to use of product.

NPD=No performance determined.

The manufacturer reserves the right to modify, at any time, the characteristics of this product.

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