

## Technical Data Sheet

Product : PVC - BS



Waterproofing Dep.

### TWO-COLOURED PVC-P MEMBRANE FOR UNDERGROUND WORKS

#### CHARACTERISTICS

|  | Standard   | BSL 2.0   | BSL 3.0                       |
|--|--|-----------|-------------------------------|
| Thickness (mm)                           | EN 1849-2  | 2.0 (±5%) | 3.0 (±5%)                     |
| Mass per unit area (kg/mm <sup>2</sup> ) | EN 1849-2  | 2.6       | 3.9                           |
| rasversal                                |  |           |                               |
| Tensile strength (N/mm <sup>2</sup> )    | EN ISO 527-3   |           | > 15                          |
| ongitudinal                              | EN 12311-2   |           | > 14                          |
| rasversal                                |  |           |                               |
| Elongation at break (%)                  | EN ISO 527-3   |           | > 300                         |
| ongitudinal                              | EN 12311-2   |           | > 280                         |
| Water permeability                       |  |           |                               |
| after 6 hrs at 0.5Mpa                    | EN 1928 (B)  |           | Watertight                    |
|  | EN 14150   |           | < 10-6m3m-2d-1                |
| Static puncture resistance (N)           | EN ISO 12236   | > 2200    | > 3400                        |
| (kg)                                     | EN 12730   | > 20      | > 20                          |
| Tear strength (N)                        | EN 12310-1   | > 150     | > 225                         |
| (N/mm)                                   | ISO 34   | ≥ 45      | ≥ 45                          |
|  | sample fig.2   |           |                               |
| Cold bending (°C)                        | EN 495/5   |           | ≤ -25                         |
| Resistance to perforation by roots       | CEN TS 14416   |           | No perforation                |
| Resistance to oxidation                  |  |           |                               |
| variation in tensile strength (%)        | EN 14575   |           | ≤ 25                          |
| Reaction to fire                         | EN 13501-1   |           | E                             |
| Joint strength (N/50mm)                  | EN 12317-2   | > 1000    | > 1500                        |
| Resistance to impact (mm)                | EN 12691   | ≥ 750     | ≥ 1100                        |
| Durability                               |  |           |                               |
| After thermal Ageing                     | EN 1296  |           | Watertight at 2kPa and 60 kPa |
| After immersion in chemicals             | EN 1847  |           | Watertight at 2kPa and 60 kPa |
| <b>PRODUCTION STANDARD</b>               |  |           |                               |
| Thickness                                | 2.0mm  | 3.0mm     |                               |
| Number of rolls on each pallet           | 18   | 11        |                               |
| Roll length / width                      | 20ml (other lengths available on request) / 2.10ml   |           |                               |
| Available colours                        | Light green (surface)/ Dark Grey (underside)   |           |                               |
| Certificate                              | NPO Fire Center Certification  |           |                               |
| MAIN ADVANTAGES                          | Excellent weldability, Includes a signal layer, High resistance to attack by micro-organisms and perforation by roots            |           |                               |
| Usage Application                        | Tunnels and buried galleries, Cut and cover tunnels, Underground works, Coverings of buried structures and Underground car parks |           |                               |
| Category According to                    | Type A <input type="checkbox"/> Type B <input checked="" type="checkbox"/> Type C <input type="checkbox"/>                       |           |                               |

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