



# a.b.e.<sup>®</sup> Construction Chemicals Index Fidia P & MS Mineral Slate

## REINFORCED SPUNBOND POLYESTER ELASTOPLASTOMERIC POLYMER-BITUMEN WATERPROOFING MEMBRANE

### DESCRIPTION

**Index Fidia P** membrane is manufactured from a compound of distilled bitumen and polymers. After mixing, the characteristics of the polymers are dominant and are evenly dispersed throughout the matrix. **Index Fidia P** and **Fidia MS** have excellent stability at both high and low temperatures and possess good longevity.

The upper face of the membrane is treated with serigraph talc, which prevents problems when unrolling the product. The lower face is covered with a sacrificial polyethylene film and the roll is then embossed. The embossing assists in the rapid burn off of the polyethylene film in the torching operation and allows good vapour diffusion. **Index Fidia MS** has slate granules applied to the upper surface of the membrane during the manufacturing process.

### USES

**Index Fidia P** can be used as a single layer waterproofing system or as part of a multi-layer built up waterproofing system. The mineral surfaced **Index Fidia P** should be used as the upper membrane in a two layer system acting as a capping or weathering sheet.

### APPLICATION

The application of the membrane is by torch bonding using a suitable propane gas torch.

Depending on the structure and the specification the membrane may be fully bonded, loose laid, spot bonded or mechanically fixed. The membrane when being installed

must have the side with the polyethylene sheet facing the primed substrate to receive the membrane. To achieve the correct bond the use of a gas torch is required.

When deciding on the system to use refer to Index **'Technical Specification'** leaflets and **'Guide to Application of Index Membranes'**.

### Embossing

The embossing on the under side of the membrane, which is covered by a polyethylene film allows for fast and safe laying. Under flame, the membrane becomes black and smooth and this indicates the correct melting point.

The embossing also allows good vapour diffusion in partial bonded and loose laid application and avoids the problem of blisters and bulges.

### Talc treatment

The talc treatment on the upper side is carried out using a method which evenly spreads the talc in a special pattern avoiding excess talc or missed areas. This method allows a quick unrolling of the roll and a surface which is pleasant to the eye.

### Mineral self protection

Slate granules are applied during the manufacturing process to the weathering surface of the membrane. An attractive finish results and reduced maintenance costs can occur. There is the further value of protection from the often damaging effects of ultra violet rays.

| TECHNICAL CHARACTERISTICS  |       |   |   |   |
|--|-------|---|---|---|
|  | T     | FIDIA POLYESTER                                       | FIDIA POLYESTER                                       | MINERAL FIDIA POLYESTER                               |
| Thickness (EN 1949-1)  | ±0.2  | 3mm   | 4mm   | -   |
| Weight MINERAL (EN 1849-1)   | ±15%  | -   | -   | 4.5kg/m <sup>2</sup>                                  |
| Roll size (EN 1848-1)  |       | 1x10m   | 1x10m   | 1x10m   |
| Reinforcement  |       | "Non-woven" composite polyester stab. with fibreglass | "Non-woven" composite polyester stab. with fibreglass | "Non-woven" composite polyester stab. with fibreglass |
| Watertightness (EN1928- B method)  |       | 60kPa   | 60kPa   | 60kPa   |
| Watertightness - after ageing (EN 1296-1928)   |       | 60kPa   | 60kPa   | -   |
| Shear Resistance (EN 12317-1)  | -20%  | 350/300 N/50 mm                                       | 350/300 N/50 mm                                       | -   |
| Maximum tensile force Long./Trasv. (EN 12311-1)  | -20%  | 450/400 N/50 mm                                       | 450/400 N/50 mm                                       | 450/400 N/50 mm                                       |
| Maximum tensile force Long./Trasv. (EN 12311-1) - after ageing   | -20%  | -   | -   | NPD   |
| Resistance to impact (EN 12691 - A method)   |       | 1.000 mm  | 1.000 mm  | -   |
| Resistance to static loading (EN 12730)  |       | 10 kg   | 10 kg   | -   |
| Resistance to tearing (nail shank) (EN 12310-1)  | -30%  | 130/130 N   | 130/130 N   | 130/130 N   |
| Dimension to stability (EN 1107-1)   |       | -   | -0,25/0,10%   | -0,25/0,10%   |
| Flexibility to low temp. (EN1109)  |       | -10°C   | -10°C   | -10°C   |
| Flow resistance at elevated temperature (EN 1110)  |       | 100°C   | 100°C   | 100°C   |
| Flow resistance at elevated temperature (EN 1110)- after ageing at elevated temperature (EN 1296-1109) | -10°C | -   | 90°C  | 90°C  |
| UV ageing (EN 1297)  |       | NPD   | Test passed   | -   |
| Reaction to fire class (EN 13501-1)  |       | Euroclass F   | Euroclass F   | Euroclass F   |
| External fire performance (EN 13501-5)   |       | F roof  | F roof  | F roof  |
| Res. To water penetration (EN 1928)  |       | -   | -   | W1  |
| Res. To water penetration (EN 1928) - after ageing (EN 1296-1928)                                      |       | -   | -   | W1  |
| Elongation (EN 12311-1) after ageing   | 15%   | 40/40%  | 40/40%  | 40/40%  |

### IMPORTANT NOTE

This data sheet is issued as a guide to the use of the product(s) concerned. Whilst **a.b.e.® Construction Chemicals** endeavours to ensure that any advice, recommendation, specification or information is accurate and correct, the company cannot - because **a.b.e.®** has no direct or continuous control over where and how **a.b.e.®** products are applied - accept any liability either directly or indirectly arising from the use of **a.b.e.®** products, whether or not in accordance with any advice, specification, recommendation or information given by the company.

### FURTHER INFORMATION

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements. **a.b.e.® Construction Chemicals** has a wealth of technical and practical experience built up over years in the company's pursuit of excellence in building and construction technology.



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