

# Line.A Mineral



**Description** : elastomeric, **self-adhesive**, polymer bitumen membrane BPE, compound in distilled bitumen modified with high molecular weight polymer, reinforced with nonwoven polyester fabric, glass stabilized, top face coated with hot-bonded slate granules. The particular polymeric blend used offers great auto-adhesive characteristics

**Field of Application** : top layer, self protected, in a multy-layer waterproofing system

**Method of Application** : loose-laying & roller pressing ( hot-air welding for overlaps )

**Applicable Directive** : EN 13707

**Dangerous Substances** : the product does not contain dangerous substances ( D.L 152/06 )

| CHARACTERISTIC                           | EN DRC     | UNIT              | VALUE          |       | TOL     |
|--|------------|-------------------|----------------|-------|---------|
| Visible Defects                          | EN 1850-1  | -----             | pass           |       | -----   |
| Thickness                                | EN 1849-1  | mm                |                |       | npd     |
| Areic Mass                               | EN 1849-1  | kg/m <sup>2</sup> | 4,5            |       | -10%    |
| Widht and Length                         | EN 1848-1  | m                 | 1,00           | 10,00 | -1%     |
| Straightness                             | EN 1848-1  | mm                | max 20         |       | pass    |
| Max Tensile Force ( L / T )              | EN 12311-1 | N/5cm             | 600            | 400   | -20%    |
| Elongation ( L / T )                     | EN 12311-1 | %                 | 40             | 40    | -15 abs |
| Resistance to Tearing ( L / T )          | EN 12310-1 | N/5cm             | 140            | 140   | pass    |
| Resistance to Static Loading             | EN 12730-A | kg                | 15             |       | pass    |
| Resistance to Impact                     | EN 12691   | mm                | 800            |       | pass    |
| Joint Strenght ( L / T )                 | EN 12317-1 | N/5cm             |                |       | npd     |
| Peel Resistance of Joint                 | EN 12316-1 | N/5cm             |                |       | npd     |
| Pliability ( Cold Flexibility )          | EN 1109    | °C                | -25            |       | pass    |
| Pliability ( Aged )                      | EN 1296    | °C                |                |       | npd     |
| Uv Ageing ( Visible Defects )            | EN 1297    | -----             |                |       | -----   |
| Watertightness                           | EN 1928    | kPa               | 60             |       | pass    |
| Water Vapour Permeability                | EN 1931    | μ x 1.000         | 20 ( default ) |       | npd     |
| Water Vapour Permeability ( Aged )       | EN 1296    | μ x 1.000         |                |       | npd     |
| Form Stability ( New / Aged )            | EN 1110    | °C                | 100            | 100   | pass    |
| Dimensional Stability ( L / T )          | EN 1107-1  | %                 | -0,25          | +0,15 | pass    |
| Root Resistance                          | MBP Group  | % add             |                |       | npd     |
| External Fire Performance                | EN 13501-5 | class             | F(roof)        |       | npd     |
| Reaction to Fire                         | EN 13505-1 | class             | F              |       | npd     |
| Adhesion of Granules ( Mineral Version ) | EN 12039   | %                 | ≤ 30           |       | npd     |

| Standard        | Thickness  | mm                | 2     | 3     | 4     | 5     |
|-----------------|--|-------------------|-------|-------|-------|-------|
|                 | Rolls x Pallet   | n°                | ----- | ----- | ----- | ----- |
| Mineral         | Areic Mass   | kg/m <sup>2</sup> | 3,5   | 4,0   | 4,5   | 5,0   |
|                 | Rolls x Pallet   | n°                | ----- | 30    | 25    | 20    |
| Upper Finishing | slate chips/granules ( mineral self-protection )         |                   |       |       |       |       |
| Lower Finishing | anti-adherent polypropylene removable film               |                   |       |       |       |       |
| Packaging       | shrinkable polyetylene film, on pallet                   |                   |       |       |       |       |
| Additional Info | " Polymer Bitumen Membrane Info Sheet ", current release |                   |       |       |       |       |

technical data declared may vary without previous notice

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