

# DUROTORCH SUPERSTICK

Dual APP/SBS self adhesive membrane designed for cold application with no flame



## DESCRIPTION

Durotorch Self-adhesive waterproof membranes are the intended solution for cold application without the use of flame. Durotech membranes is made of "dual compound" APP and self-adhesive compound which provides a suitable combination of special bitumen, elastomeric polymers and resins that enhance their adhesive performance in time. The new generation of stabilized nonwoven spun bond polyester reinforcement adds a high mechanical resistance and an excellent dimensional stability. Durotech membranes are particularly suitable to waterproof flat or pitched roofs with wooden subfloors, or in presence of flame sensitive heat-insulating materials. Durotorch Superstick with top finishing in PE film is used as a base under the Durotech mineral versions in a double layer solution or as under tiles membranes on the top of wooden pitched roofs. Top finish is in PE/or PPE texture film while the bottom finish is made of silicone removable PE film.

## CHARACTERISTICS

### COMPOUND

Dual APP/SA SBS

### REINFORCEMENT

Polyester

### FINISHING

POLYETHYLENE / SILICONISED FILM

## USE AREAS

- EN 13707 – Multilayer system without permanent surface protection – underlay
- EN 13707 – Multilayer system under permanent heavy protection - underlayer
- EN 13969-A – Bitumen damp proof sheet

| DESCRIPTION  | TEST METHOD         | UNITS             | EXPRESSION OF RESULT | VALUE |
|--|---------------------|-------------------|----------------------|-------|
| Visible defects                                    | EN 1850 -1          | Statement         | Pass                 | Pass  |
| Lenght   | EN 1848 -1          | m                 | MLV                  | 10-1% |
| Width  | EN 1848 -1          | m                 | MLV                  | 1-1%  |
| Straightness                                       | EN 1848 -1          | Statement         | Pass (<20mm/10m)     | Pass  |
| Thickness  | EN 1849 -1          | mm                | MDV ± 10%            | 2.5   |
| Mass per unit area                                 | EN 1849 -1          | Kg/m <sup>2</sup> | MDV ± 10%            | -     |
| Watertightness                                     | EN 1928:2000 MET. A | Statement         | Pass > 60kPa         | Pass  |
| Watertightness after stretching at low temperature | EN 13897            | %                 | MLV                  | NPD   |



|  |                               |   |                        |                     |
|--|-------------------------------|---|------------------------|---------------------|
| External fire performance  | EN 13501-5                    | Class   | Pass                   | F roof              |
| Reaction to fire   | EN 13501-1                    | Class   | Pass                   | F                   |
| Tensile properties (maximum tensile force): L<br>Tensile properties (maximum tensile force): T | EN 12311-1                    | N/50 mm   | MDV $\pm$ 20%          | 400<br>300          |
| Tensile properties (elongation): L<br>Tensile properties (elongation): T                       | EN 12311-1                    | %   | MDV $\pm$ 15 abs       | 35<br>35            |
| Tearing resistance (nail shank): L<br>Tearing resistance (nail shank): T                       | EN 12310-1                    | N   | MDV $\pm$ 30%          | 130<br>130          |
| Resistance to impact   | EN 12691/A                    | mm  | MLV                    | 700                 |
| Resistance to static loading   | EN 12730-1/B                  | Kg  | MLV                    | 10                  |
| Flexibility at low temperature   | EN 1109                       | $^{\circ}$ C  | MLV                    | -10/-20*            |
| Flow resistance at high temperature  | EN 1110                       | $^{\circ}$ C  | MLV                    | 100                 |
| Dimensional stability  | EN 1107-1                     | %   | MLV                    | $\pm$ 0.3 %         |
| Form stability under cyclical temperature change   | EN 1108                       | mm  | MLV                    | NPD                 |
| Artificial aging by long term exposure to high temp  | EN 1296<br>EN 1109<br>EN 1110 | $\Delta$ $^{\circ}$ C<br>$^{\circ}$ C<br>$^{\circ}$ C | MDV<br>MLV<br>MLV      | NPD/10<br>NPD<br>90 |
| Artificial aging by combination of UV radiation and water                                      | EN 1297                       | Statement   | Pass                   | NPD                 |
| Adhesion of granules   | EN 12039                      | %   | MDV                    | NPD                 |
| Water vapour transmission properties   | EN 1931                       | $\mu$   | MDV $\pm$ 30% o 20'000 | 20'000              |
| Resistance to root penetration   | EN 13948                      | Statement   | Pass                   | NPD                 |
| Peel resistance of joints  | EN 12316-1                    | N/50 mm   | MDV                    | NPD                 |
| Shear resistance of joints   | EN 12317-1                    | N/50 mm   | MDV                    | 300/200             |
| Durability-Watertightness after artificial ageing  | EN 1296<br>EN 1928            | Statement   | Pas                    | Pass                |
| Durability-Watertightness after exposure against chemicals                                     | EN 1847<br>EN 1928            | Statement   | Pas                    | Pass                |
| Chemical resistance  | EN 13707 All. C               | Information   | Tab. C1&C2             | Tab. C1&C2          |

\* FLEXIBILITY AT LOW TEMPERATURE ON SELF ADHESIVE SIDE -20 $^{\circ}$ C – UPPER SIDE FLEXIBILITY AT LOW TEMPERATURE -10 $^{\circ}$ C  
PEELING ON STEEL (ASTM D1000)  $\geq$  30 N/10 mm.

## DUROTECH INDUSTRIES



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