

# Monarperm 700


PRELIMINARY

## Application:

The Monarperm 700 product is a breathable underlay for discontinuous roofing for used in application on pitched roofs over rafters in ventilated and not ventilated roof constructions or as underlay for walls.

## Properties:

The Monarperm 700 is a 3 layers product with low SD value and good isotropic mechanical properties. The product is ageing resistant to UV and heat according to the EN 13859-1 standard.

|   |   |              |           |  |
|---|---|--------------|-----------|--|
| Product data  | Monarperm Classic   |              |           |  |
| Built-up<br>Top side<br>Middle Side<br>Bottom side                                  | PP non woven UV stable<br>PP microporous film UV stable<br>PP non woven UV stable |              |           |  |
| Colour  | Dark Grey   |              |           |  |
| Weight  | 132 g/m <sup>2</sup> - 5% / +10%  |              |           |  |
| Application   | Underlay for discontinuous roofing<br>Underlay for walls                          |              |           |  |
| Technical data  | Unit  | Value        | Tolerance | Test method  |
| Length  | m   | 50,00        | +1% -0%   | EN 1848-2  |
| Width   | m   | 1,00<br>1,50 | +1% -0,5% | EN 1848-2  |
| Tensile strength  | N/50 mm   | 240 (MD)     | ± 40      | EN 12311-1   |
|   |   | 180 (TD)     | ± 30      | EN 12311-1   |
| Elongation  | %   | 55 (MD)      | ± 30      | EN 12311-1   |
|   |   | 70 (TD)      | ± 30      | EN 12311-1   |
| Nail tear resistance  | N   | 120(MD)      | ± 30      | EN 12310-1   |
|   |   | 140 (TD)     | ± 30      | EN 12310-1   |
| Dimensional stability   | %   | < 3 (MD)     | -         | EN 1107-2  |
|   |   | < 3 (TD)     | -         | EN 1107-2  |
| Cold bend   | °C  | -30          | -         | EN 1109  |
| Sd value  | m   | 0,02         | ±0,02     | EN 12572 Method C  |
| Water tightness   | Class   | W1           |           | EN 1928 Method A   |
| Fire classification   | Class   | F            |           | EN 13501-1   |
| Ageing after EN 1297 & EN 1296  |   |              |           |  |
| Tensile strength  | N/50 mm   | 200(MD)*     | ±40       | EN 12311-1   |
|   |   | 150 (TD)*    | ±30       | EN 12311-1   |
| Elongation  | %   | 50*          | ±20       | EN 12311-1   |
|   |   | 60*          | ±30       | EN 12311-1   |
| Water tightness   | Class   | W1*          |           | EN 1928 Method A   |
| Classification  | Underlay for discontinuous roofing – EN 13859-1                                   |              |           |  |
|  |   |              |           | Monarflex s.r.o.<br>Továrenská 1<br>SK-94303 Stúrovo<br>Slovakia<br>10 |

\* Values to be confirmed by notified body. Product is undergoing testing.