


# MONARFLEX® Polykraft STD

## Application:

The Monarflex Polykraft STD product is a aluminium based vapour barrier that can be used for application on both roofs and walls.

## Properties:

The Monarflex Polykraft STD has an extreme water vapour resistance due to its aluminium barrier, furthermore the product is ageing resistant and has shown its worth through more than 30 years of use in the building industry.

|   |   |                 |           |  |
|---|---|-----------------|-----------|--|
| Product data  |   |                 |           |  |
| Built-up<br>Top side<br>Middle layer<br>Bottom side                                 | Aluminium barrier<br>LDPE (Low Density Polyethylene)<br>Kraft paper   |                 |           |  |
| Colour  | Alu/Brown   |                 |           |  |
| Weight  | 80 g/m <sup>2</sup> +/- 5%  |                 |           |  |
| Application   | The material is unrolled loss with a minimum overlap of 100 mm taped joints. All penetrations joints must be sealed with suitable tape our Icopal Butyl sealer. |                 |           |  |
| Technical data  | Unit  | Value           | Tolerance | Test method  |
| Length  | m   | 24,00 & 30,00   | +1% -0%   | EN 1848-2  |
| Width   | m   | 1,00 & 1,25     | +1,5% -½% | EN 1848-2  |
| Thickness   | mm  | 0,10            | ±50%      | EN 1849-2  |
| Tensile strength  | N/50 mm   | MD 170          | ±25       | EN 12311-1   |
|   |   | TD 140          | ±25       | EN 12311-1   |
| Elongation  | %   | MD 3            | ±3        | EN 12311-1   |
|   |   | TD 9            | ±3        | EN 12311-1   |
| Nail tear resistance  | N   | MD 11           | ±5        | EN 12310-1   |
|   |   | TD 14           | ±5        | EN 12310-1   |
| Dimensional stability   | %   | MD -0,1         | ±1        | EN 1107-2  |
|   |   | TD -0,3         | ±1        | EN 1107-2  |
| Temperature range   | °C  | - 40°C to +80°C |           |  |
| Cold bend   | °C  | -20             | ±1°C      | EN 1109  |
| Sd value  | m   | ≥1500           | ±250 m    | EN 1931  |
| Water vapour transm.  | Kg/m <sup>2</sup> s   | 9,65E-10        |           | EN 1931  |
| Water tightness   | Class   | W1              |           | EN 1928  |
| Fire classification   | Class   | F               |           | EN 13501-1   |
| Ageing after EN 1296  |   |                 |           |  |
| Tensile strength  | N/50 mm   | MD 150          | ±25       | EN 12311-1   |
|   |   | TD 140          | ±25       | EN 12311-1   |
| Water tightness   | Class   | W1              |           | EN 1928  |
| Sd value  | m   | ≥1500           | ±250      | EN 1931  |
| Water vapour transm.  | Kg/m <sup>2</sup> s   | 9,65E-10        |           | EN 1931  |
| Classification  | Vapour Barrier Type A – EN 13984  |                 |           |  |
|  |   |                 |           | Monarflex s.r.o.<br>Továrenská 1<br>SK-94303 Stúrovo<br>Slovakia<br>06 |