

## PLEX 1350 Roof

### DISCRIPTION:

Plex 1350 Roof is a very flexible pigmented polymethyl methacrylate membrane used for roofs. Plex 1350 Roof is slightly different as opposed to the well-known membrane Plex 1350.

It has a longer working time and curing time and has greater opacity, making it possible to apply a one layer coat on a roof.

Plex 1350 Roof is available in 4 colors: White, Light grey, Mid grey and Dark grey.

### CATALYST AMOUNT:

| Temp. [°C] | Catalyst [%] | Pot life [min] | Curing [min] |
|------------|--------------|----------------|--------------|
| 0-10       | 2            | ~40            | -120         |
| 10-15      | 2            | ~35            | 75           |
| 15-20      | 2            | ~30            | 60           |

### CONSUMPTION:

| Roof system                       | Product                       | Consumption               |
|-----------------------------------|-------------------------------|---------------------------|
| Top layer (1 <sup>st</sup> layer) | <u>Plex 1350 Roof</u>         | 1,5 – 4 kg/m <sup>2</sup> |
| Plex fleece                       | <u>Plex fleece (optional)</u> | -                         |

### SUBSTRATE PREPRATAION:

The substrate must be sound and sufficiently pressure-resistant (minimum 25 N/mm<sup>2</sup>), with a minimum bond strength of 1.5 N/mm<sup>2</sup>.

The substrate must be clean, dry and free of dirt, oil, grease and other contamination. Before applying the top coat, remove excess quartz from the floor and vacuum the floor.

Adding too much catalyst may cause yellow spots because the topcoat will then build up too high a temperature.

### APPLICATION CONDITIONS:

|                           |                                                           |
|---------------------------|-----------------------------------------------------------|
| Substate temperature:     | Minimum 10°C, maximum +35 °C                              |
| Ambient temperature:      | Minimum 10°C, maximum +35 °C                              |
| Surface moisture content: | < 4% moisture<br>To be tested with a carbide measurement. |
| Relative humidity:        | Maximum 80% R.H.                                          |

The recommended temperature of the material before application is 20° C.  
The material must not be applied if the temperature is lower or equal to the dew point.

Mix the Plex 1350 with the added catalyst 1-2 minutes preferably with a high-powered mixer with a Collomix WK 90 mixing rod at low speed, 300 - 400 RPM.

### FEATURES:

Adhesion to bituminous substrates and PVC membranes

Short curing time

Long pot life

Easy to apply

Waterproofing

High flexibility

### TECHNICAL PROPERTIES:

Density (g/cm<sup>3</sup>) 1,36 – 1,47

Viscosity (mPa·s) 3600 – 5000

Shore Hardness > D50

Elongation at break > 250  
(%) (sample thickness 2,0 mm)

Bond strenght (N/mm<sup>2</sup>) > 1,5  
(concrete facture)

### PACKAGE:

Tin packaging: 20 kg

### SHELF LIFE:

Up to 12 months after production date in original, sealed, non-opened and undamage packaging, stored dry between +10 °C and +30 °C.

**WHITE****LIGHT GREY****MID GREY****DARK GREY**

Apply with a squeegee and re-roll with a coat roller.  
Ensure adequate ventilation during application of the primer!

#### NOTES:

Wear appropriate personal protective equipment when applying the material  
Protection from rain and water is necessary during processing and curing.  
Improper assessment and treatment of cracks may lead to recurrent cracking.  
Mixed materials should be processed immediately.  
If heating is required, do not use gas, oil paraffin or other fossil fuel burners. These produce large amounts of CO<sub>2</sub> and water vapour, which adversely affect the finish. Use only electrically powered hot-air ventilation systems for heating.

#### LEGAL NOTICE:

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#### VALUE BASE:

All technical data stated in this technical data sheet is based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

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