

SEALER & TACK COAT FOR MATACRYL® WATERPROOFING MEMBRANES

KEY BENEFIT SUMMARY

- Easy to apply
- Rapid curing
- Clear or pigmented
- Semi-flexible
- Weather resistant
- Acid rain resistant

PRODUCT INFORMATION

Description

MATACRYL® STC is a medium viscosity, elastified and UV-protected, one component resin based on methyl methacrylate (MMA). The curing is initiated by addition of MATACRYL® CATALYST powder.

Usage

MATACRYL® STC is used as a Tack coat & surface sealer for MATACRYL® waterproofing membranes to enhance bond to Asphalt & improve general resistance and maintenance properties.

Packaging

180 kg & 20 kg units

TECHNICAL INFORMATION

Technical characteristics (liquid state)

| | | |
|--------------------------------------|-------------------------------|-----------|
| Colour: | light blue-violet transparent | |
| Viscosity, 25 °C: | 140 – 180 mPa·s | DIN 53019 |
| Density, 25 °C: | 0.98 g/ml | ISO 2811 |
| Pot life / processing time at 25 °C: | approx. 15 min | |
| Curing time at 25 °C: | approx. 60 min | |
| Recoat time, 25 °C: | approx. 90 min | |
| Flash point: | + 11.5 °C | ISO 1516 |
| Prepigmented: | grey and ivory | |



Technical characteristics (cured state)

| | | |
|----------------------------|---------|-----------|
| Tensile strength: | 6.8 MPa | ISO 527 |
| Elongation: | 130 % | ISO 527 |
| Shore D Hardness: | 55 | DIN 53505 |
| Abrasion Taber 500 cycles: | 51 mg | |
| Modulus of Elasticity: | 38 MPa | ISO 527 |

Please note that an objective comparison with other data is only possible if norms and parameters are identical.

USAGE GUIDELINES

Substrate preparation

The MATACRYL® system to be sealed must be dry, clean, free from dust and grease. Any fresh base coat must be completely cured. For broadcast systems all loose aggregate or flakes must be thoroughly removed prior to applying the MATACRYL® STC.

Application conditions

- Ambient temperatures min. -5 °C, max. +35 °C.
- Surface temperatures min. -5 °C, max. +42 °C
- The substrate temperature should always be at least 3 °C above the dew point temperature.
- In closed rooms a forced ventilation with at least 7-fold air exchange per hour is recommended.

When these conditions are not forthcoming, please contact our Technical Service.

Mixing

Prior to use MATACRYL® STC must be carefully stirred to achieve a uniform distribution of paraffin contained in the product.

MATACRYL® STC is thoroughly mixed together with the MATACRYL® CATALYST (50 % dibenzoyl peroxyde), in accordance with the following guidelines.

Dosage rates of catalyst powder will depend upon the Application temperature (see table below)

| Temperature | Weight percentage Catalyst | Gram Catalyst per 20 kg |
|-------------|----------------------------|-------------------------|
| 30 °C | 1 % | 200 g |
| 20 °C | 2 % | 400 g |
| 10 °C | 4 % | 800 g |
| 0 °C | 5 % | 1000 g |
| < 0 °C | 6 % | 1200 g |

Remark:

The optional product temperature is 15 – 20 °C.
At temperatures below 0 °C the use of MATACRYL[®] CATALYST should also be considered.
For further information contact our technical department.

Conversion:

1 cm³ of MATACRYL[®] CATALYST = 0.64 g
1 g of MATACRYL[®] CATALYST = 1.57 cm³

Application

Immediately after the catalyst has been added and mixed, the sealer is spread onto the MATACRYL[®] membrane using a rubber squeegee and paint roller. For the best results, it is important always to work with freshly catalyzed material i.e. small manageable batch sizes
Layer thickness must be kept within 0.5 – 0.8 l/m² and coat.
Consumption of MATACRYL[®] STC depends on the system and varies from 0.5 to 1.0 kg or liter per m².

STORAGE & SHELF LIFE

The optimal storage temperature is between

15-20 °C in HAZMAT storage facilities.
However and where this is not available, for example on site just before & when installation commences, it is essential that Goods are stored shaded from direct sunlight & in cool dry conditions. **Shelf Life is** 12 months when stored in a cool and dry place and in originally closed packaging

HEALTH AND SAFETY PRECAUTIONS

Protective clothing, gloves and safety goggles shall be worn when filling, mixing or handling MATACRYL[®] STC.
If the product is applied in enclosed areas without natural ventilation, forced ventilation must be arranged.
Avoid strong concentration of vapour as well as direct contact with skin or eyes. MATACRYL[®] STC is highly flammable; keep away from open fire and other sources of ignition like welding and do not smoke when handling. For further information see our Material Safety Data Sheet.

TECHNICAL SERVICE

Contact RPM/Belgium N.V. and Alteco Technik GmbH

GUARANTEE

RPM Belgium Vandex warrants all goods to be free from defects and will replace materials proven to be defective but makes no warranty as to appearance of colour.
The information and recommendations herein are believed by RPM Belgium Vandex to be accurate and reliable.



HYCHEM
INFRASTRUCTURE SOLUTIONS

DISTRIBUTOR

1/30 Bluett Drive, Smeaton Grange
New South Wales 2567
Australia

Ph: +61 (2) 4646 1660
E: admin@hychem.com.au
W: www.hychem.com.au