



Matacryl® STC UNPIGMENTED

SEALER FOR MATACRYL® WATERPROOFING SYSTEMS

Product Description

Matacryl® STC Unpigmented is a medium viscous, elastified and UV-protected surface sealer based on acrylic resins. The curing is initiated by addition of MATACRYL® Catalyst powder.

Features and Benefits

- Easy to apply and fast curing
- Unpigmented version – ready to pigment
- Semi-flexible
- Weather resistant

Usage

Matacryl® STC Unpigmented is mixed with the desired compatible pigment powder resulting in Matacryl® STC Pigmented version. The Matacryl® STC Pigmented is used as a surface sealer for Matacryl® waterproofing systems to improve general resistance and maintenance properties.

Technical Characteristics* (liquid state)

Viscosity, 25°C:	190 – 270 mPa.s	DIN 53019
Density, 25°C:	1.10 g/ml	ISO 2811
Pot life / processing time at 25°C:	approx. 15 mins	-
Curing time at 25°C:	approx. 60 mins	-
Recoat time, 25°C:	approx. 90 mins	-
Flash point:	+ 11.5°C	ISO 1516

(*) Technical data of pigmented Matacryl® STC.

Technical Characteristics* (cured state)

Tensile strength:	13.5 MPa	ISO 527
Elongation at break:	85 %	ISO 527
Elongation at maximum strength:	6.9 %	ISO 527
Modulus of elasticity:	345 MPa	ISO 527

(*) Technical data of pigmented Matacryl® STC.

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 Pigmented.



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Application conditions

- Surface and ambient temperatures min. -5°C, max. +35°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.

To provide for Outside these conditions, please contact our Technical Service.

Mixing

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

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

It should be noted that the amount of catalyst powder to be added depends upon the application temperature.

Guidelines for Matacryl® CATALYST addition to Matacryl® STC Unpigmented

Temperature	Weight percentage hardener	Gram hardener per 20 kg
30°C	0.8 %	160 g
20°C	1.0 %	200 g
10°C	2.0 %	400 g
0°C	3.0 %	600 g
< 0°C	5.0 %	1000 g

Remark:

The optional product temperature is 15 – 20°C.

At temperatures below 0°C add also the accelerator, Matacryl® ACCELERATOR should also be added.

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

The ambient and surface temperature and relative humidity should be recorded. The application should only proceed if air temperature is above -20°C and the substrate temperature is at least 3°C above dewpoint. The substrate temperature should be below 35°C and the product temperature shall not exceed 40°C.

Immediately after the catalyst has been added and mixed, the sealer is spread onto the Matacryl® base coat using a rubber squeegee and paint roller. For good results it is important always to work with freshly catalyzed material i.e. small batch sizes.

Consumption of Matacryl® STC Pigmented depends on the system and varies from 0.3 to 1.0 kg per m.

It's always recommended to test the pigment powder on small scale before using it on large scale or contact our Technical Service Department for further details.



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Packaging

20 kg units.

Shelf life

12 months when stored in a cool and dry place and in originally closed packaging and protected from direct sunlight. The optimal storage temperature is between 10 – 20°C.

Health and safety precautions

Protective clothing, gloves and safety goggles shall be worn when filling, mixing or handling Matacryl® STC Unpigmented.

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 Unpigmented 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. or Alteco Technik GmbH.

Guarantee

RPM/Belgium N.V – Alteco Technik GmbH 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 N.V – Alteco Technik GmbH to be accurate and reliable.

Warranties and Disclaimers

Hychem warrants that this product shall conform to the technical specifications published in the product literature. The quality and fitness of the product is dependent upon the proper use and application of the product by the applicator. Hychem has no role in the application of the finished polymer other than to manufacture and supply its components. It is vital that the person applying this product understands the product and is fully trained and certified in the use of spray equipment and application of sol-gel materials. There are no warranties that extend beyond the description on the face of this instrument, except when provided in writing, directly by Hychem and executed under seal by a company officer.

Field Support

Field support where provided, does not constitute supervisory responsibility. Suggestions made by HYCHEM either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they and not HYCHEM are responsible for carrying out procedures appropriate to a specific application.

Customer Responsibility

The technical information and application advice given in this publication is based on the best information available at the time of print. As the information herein is of a general nature, no assumption can be made as to the product suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, his representative or the contractor is responsible for checking the suitability of products for their intended use.