

PRIMER FOR MATACRYL[®] WATERPROOFING SYSTEMS ON METAL CONCRETE, WOOD AND TILE SUBSTRATES

KEY BENEFIT SUMMARY

- Exhibits excellent adhesion to metal, concrete and ceramic tile substrates
- Easy to apply

PRODUCT INFORMATION

Description

MATACRYL[®] PRIMER CM is a low viscosity, colourless, 2 component reactive resin based on methyl methacrylate (MMA).

Usage

MATACRYL[®] PRIMER CM is used as primer to give excellent bonding to metal substrates (e.g. iron, aluminium, stainless steel), wood and to ceramic tile substrates. We strongly recommend with all MATACRYL[®] primers that curing and adhesion tests are conducted on the particular substrate prior to general use on site.

Packaging

180 kg steel drums, 20 kg pails

Shelf life

12 months when stored in a cool and dry place and in originally closed packaging. The optimal storage temperature is 15 - 20 °C.

TECHNICAL INFORMATION

Technical characteristics (liquid state)

Viscosity, 25 °C: (DIN 53019)	100-130 mPa·s
Density, 25 °C: (ISO 2811)	0.99 g/ml
Pot life / processing time at 20 °C:	approx. 15 min
Curing time at 20 °C:	approx. 30 min
Flash point: (ISO 1516)	+ 11.5 °C

Technical characteristics (cured state)

Tensile strength: (ISO 527)	13.8 N/mm ²
Elongation at maximum strength:	1.3 %
Elongation at fracture:	1.3 %
Modulus of elasticity:	1500 N/mm ²
Density, 20 °C: (ISO 1183)	1.16 g/cm ³

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

USAGE GUIDELINES

Substrate preparation

All substrates must be dry, firm, solid and free of dust, fat and oil. Loose tiles and tiles over hollows must also be removed. Laitance and loose articles must be thoroughly removed. Steel substrates must be prepared to SA 2.5 (according to DIN 55929).

Surface structure shall allow the correct application of the primer.

- Surface tensile strength shall be min. 1.5 MPa.
- Mechanical preparation shall expose concrete aggregate.
- Visible pin holes and craters shall be filled separately using filled primer or suitable cement mortar.

For further details, see our „General Preparation and application guidelines for MATACRYL[®] systems“.

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 an Outside these conditions, please contact our Technical Service.

Mixing

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

MATACRYL[®] PRIMER CM is thoroughly mixed together with the MATACRYL[®] CATALYST (C2) (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.



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Guidelines for MATACRYL [®] CATALYST (C2) addition to MATACRYL [®] PRIMER CM		
Temperature	Weight percentage hardener	Gram hardener per 20 kg
30 °C	1,0 %	200 g
20 °C	2,0 %	400 g
10 °C	4,0 %	800 g
0 °C	6,0 %	1200 g
< 0 °C	6,0 %	1200 g

Remark:

The optional product temperature is 15 – 20 °C. At temperatures below 0 °C, MATACRYL[®] ACCELERATOR should also be added. For further information contact our technical department.

Conversion:

1 cm³ of MATACRYL[®] CATALYST (C2) = 0.64 g
1 g of MATACRYL[®] CATALYST (C2) = 1.57 cm³

Application

- Substrate surface temperature may range from 0 °C to 40 °C.
- Do not apply when surface temperature is above 40 °C and/or rapidly rising. Special care must be observed if area is under exposure to direct sunshine.
- Substrate temperature must be at least 3 °C over actual dew point.

After the catalyst has been stirred in, the primer is poured onto the substrate in stripes and distributed with a short-pile paint roller. A notched rubber squeegee can be used for fast distribution of large quantities. Apply at a rate of between 300 g/m² to 500 g/m² depending on density and porosity of the substrate. In any case, continue applying primer until saturation occurs to obtain a continuous resin film. On extremely porous substrates a second prime coat may be required. When a continuous resin film is obtained, broadcast fire-dried quartz sand (particle size 0.7 - 1.2 mm or 0.3 - 0.7 mm) into the still wet primer.

Consumption of this broadcast sand: approximately 0.3 kg/m². For further details, see our „General Preparation and application guidelines for MATACRYL[®] Waterproofing Systems“.

TECHNICAL SERVICE

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

HEALTH AND SAFETY PRECAUTIONS

Suitable protective clothing, gloves and safety goggles must be worn during mixing and application of MATACRYL[®] PRIMER CM.

When 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[®] PRIMER CM is highly flammable; keep away from heat and all sources of ignition and do not smoke. The stirrer as well as all the other electric appliances used on the application site must be explosion-proof versions.

For further information see our Material Safety Data Sheet.

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.



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