

DURACON 107 / MATACRYL 107 CM PRIMER

Primer for metal and tile substrates

February 2024

PRODUCT:

Duracon 107/Matacryl 107 CM Primer is a low viscosity, colourless, 2 component reactive resin based on methyl methacrylate (MMA).

USAGE:

Duracon 107/Matacryl 107 CM Primer is used as a primer to give excellent bonding to metal substrates (e.g. iron, aluminum, stainless steel) and to ceramic tile substrates. We strongly recommend with all Duracon/Matacryl primers that curing and adhesion tests are conducted on the particular substrate prior to general use on site.

STANDARD PACKS:

180 kg steel drums, 50 kg metal pails, 20 kg pails.

SHELF LIFE:

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

PROPERTIES:

Liquid State			Cured State		
Viscosity, 25°C:	100-130 mPa*s	DIN 53018	Tensile strength:	13.3 N/mm ²	ISO 527
Density, 25°C:	0.99 g/ml	ISO 2811	Elongation at max. strength:	1.3%	
Pot life/processing time at 20°C	approx 15 min.		Elongation at fracture:	1.3%	
Curing time at 20°C:	approx 30 min.		Modulus of elasticity:	1500 N/mm ²	
Flash Point:	+11.5°C	ISO 1516	Density, 20°C:	1.16 g/cm ³	ISO 1183

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

SURFACE 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. Steel substrates must be prepared to SA 2.5 (according to DIN 55929).

MIXING:

Prior to use, Duracon 107/Matacryl 107 CM Primer must be carefully stirred to achieve a uniform distribution of the paraffin contained in the product. Duracon 107/Matacryl 107 CM Primer is thoroughly mixed together with the Duracon/Matacryl Catalyst (50% dibenzoyl peroxide), in accordance with the below guidelines.

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

At 30°C:	Add 1% by weight of resin
At 20°C:	Add 2% by weight of resin
At 10°C:	Add 4% by weight of resin
At 0°C:	Add 6% by weight of resin

Note: Weight to Volumetric conversion of Catalyst: 1 cm³ of Duracon/Matacryl Catalyst weights 0.64 g. 1g of Duracon/Matacryl Catalyst = 1.57 cm³.

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APPLICATION:

After the catalyst has been stirred in, the primer is applied with a short-pile paint roller. Fire-dried quartz sand (particle size 0.7-1.2mm or 0.3-0.7mm) is broadcast into the still wet primer. Consumption approximately 0.3kg/m².

HEALTH AND SAFETY:

Suitable protective clothing, gloves and safety goggles must be worn during mixing and application of Duracon107 /Matacryl 107 CM Primer.

In case of contact with eyes, rinse immediately for a long period of time and consult a physician. In case of contact with skin, clean immediately with water and soap.

Duracon 107 /Matacryl 107 CM Primer 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 Sheets.

WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No
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MANUFACTURERS CONTACT DETAILS:

Manufacture location	Australia
Legal and trading name of manufacturer	Tremco CPG Pty Ltd.
Manufacturer address for service	12/4 Southridge Street, Eastern Creek, NSW 2766, Australia
Manufacturer website	
Manufacturer email	orders@tremco.com.au
Manufacturer phone number	+61 2 4648 0397