

# DURACON 108/MATACRYL 108 H PRIMER

Primer for damp or new concrete

April 2024

## PRODUCT:

Duracon 108/Matacryl 108 H Primer is a low viscosity, colourless, two component reactive resin based on methyl methacrylate (MMA).

## USAGE:

Duracon 108/Matacryl 108 H Primer is used as a special prime coat for damp or new concrete substrates. We strongly recommend with all Duracon/Matacryl Primers that curing and adhesion tests are conducted on a particular substrate prior to general use on site.

## STANDARD PACKS:

180 kg steel drums, 18 kg metal pails.

## SHELF LIFE:

6 months when stored in a cool and dry place and in original sealed packaging. Keep additive and catalyst separate. The optimal storage temperature is 15-20°C.

## KEY BENEFITS:

- Improved adhesion to damp concrete and cementitious base substrates.
- Fast and safe curing even at low temperatures.
- Provides good adhesion to subsequent coats.

Liquid State			Cured State		
Viscosity, 25°C	100-130 mPa*s	DIN 53018	Tensile strength	10.4 N/mm <sup>2</sup>	ISO 527
Density, 25°C	1.02 g/ml	ISO 2811	Elongation at max. strength	2.1%	
Pot life/processing time at 20°C	approx 15 min.		Elongation at fracture	2.1%	
Curing time at 20°C	approx 60 min.		Modulus of elasticity	720 N/mm <sup>2</sup>	
Flash Point	+11.5°C	ISO 1516	Density, 20°C	1.18 g/cm <sup>3</sup>	ISO 1183

## PROPERTIES:

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

## SURFACE PREPARATION:

Duracon 108/Matacryl 108 H Primer is suitable for damp concrete and cementitious substrates. There must not be any visible water on the surface. The substrate must be firm, solid and free of dust, fat and oil. Laitance and loose particles must be removed thoroughly, e.g. by shot blasting. Fats or oils can be removed by flame blasting for example. It can also be used on dry surfaces.

## MIXING:

Prior to use, Duracon 108/Matacryl 108 H Primer must be carefully stirred to achieve a uniform distribution of the agents contained in the product. Duracon 108/Matacryl 108 H 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 2% by weight of resin
At 20°C	Add 3% by weight of resin
At 10°C	Add 4% by weight of resin
At 0°C	Add 6% by weight of resin
Below 0°C	Add 6% by weight of resin and additionally add Duracon 404, which is an accelerating agent.

**Note:** Weight to Volumetric conversion of Catalyst: 1 cc of Duracon/Matacryl Catalyst weighs 0.64 g. 1gm of Duracon/Matacryl Catalyst = 1.57 cc.

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## APPLICATION:

After the catalyst has been stirred in, the primer is poured onto the substrate in stripes and spread 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 gr/m<sup>2</sup> to 500 gr/m<sup>2</sup> 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 dried quartz sand (particle size 0.7-1.2 mm or 0.3-0.7 mm) into the still wet primer. Consumption approximately 0.5 kg/m<sup>2</sup>.

## HEALTH AND SAFETY:

Suitable protective clothing, gloves and safety goggles must be worn during mixing and application of Duracon 108/Matacryl 108 H 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 108/Matacryl 108 H 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 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	
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Manufacturer phone number	+61 2 4648 0397