

# DURACON 319 / MATACRYL 319

## Surface sealer

February 2024

### PRODUCT:

Duracon 319/Matacryl 319 is a medium viscosity, UV-resistant, blue-violet, 2 component reactive resin based on methyl methacrylate (MMA). In the liquid state it is blue-violet in colour. After polymerisation the blue-violet colouring is no longer visible.

### USAGE:

Duracon 319/Matacryl 319 is intended to be used as a surface sealer for Duracon 319/Matacryl 319 floor coatings where the floor is subjected to water loadings; e.g. the food industry. Duracon 319/Matacryl 319 resists hot water spillage up to 80°C. The good flexibility and high UV resistance, also make Duracon 319/Matacryl 319 an ideal sealcoat for outdoor applications.

### KEY BENEFITS:

- Medium viscosity
- Flexible and good UV resistance
- Suited for surfaces with water loading

### IMPORTANT ADVICE:

A permanent hot water loading can result in a white discolouration of the Duracon 319/Matacryl 319. Hot water causes thermal tensions, that can lead to crackle cracks. Therefore, where Duracon 319/Matacryl 319 is used in areas of hot water loading, always gather waste or flowing water (particularly hot water) into channels and convey it into a proper drainage system. Provide for a sufficient number of gullies.

### STANDARD PACKS:

180 kg steel drums, 20 kg metal pails.

### SHELF LIFE:

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

Liquid State			Cured State		
Viscosity, 25°C:	160-200 mPa*s	DIN 53214	Tensile strength:	13.4 N/mm <sup>2</sup>	DIN 53455
Density, 25°C:	0.98 g/ml	DIN 51757	Elongation at max. strength:	14.8%	
Pot life/processing time at 20°C	approx. 15 min.		Elongation at fracture:	15.5%	
Curing time at 20°C:	approx. 30 min.		Modulus of elasticity:	696 N/mm <sup>2</sup>	
Flash Point:	+11.5°C	ISO 1516	Density, 20°C:	1.17 g/cm <sup>3</sup>	DIN 53479

### PROPERTIES:

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

### SURFACE PREPARATION:

The Duracon/Matacryl coating system to be sealed must be dry, clean and free of dust and fat. Any fresh Duracon/Matacryl coating system must be completely cured and cooled down. Sealers can be applied in several layers.

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### MIXING:

Prior to use Duracon 319/Matacryl 319 must be carefully stirred to achieve a uniform distribution of the paraffin contained in the product. Duracon 319/Matacryl 319 is thoroughly mixed together with the Duracon/Matacryl Catalyst (50% dibenzoyl peroxide), in accordance with the below guidelines.

At 30°C:	Add 1% by weight of resin
At 20°C:	Add 1.5% by weight of resin
At 10°C:	Add 3% by weight of resin
At 0°C:	Add 5% by weight of resin
Below 0°C:	Add 5% by weight of resin and additionally add an accelerating agent.

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

**Note:** Weight to Volumetric conversion of Catalyst. 1 cm<sup>3</sup> of Duracon/Matacryl Catalyst weighs 0.64g. 1g of Duracon/Matacryl Catalyst = 1.57 cm<sup>3</sup>

### APPLICATION:

A compatible pigment powder can be used to colour the Duracon 319/Matacryl 319. Please contact your Equus Representative for details. Immediately after the catalyst has been stirred in, the sealer is poured onto the floor in stripes (do not apply directly out of the mixing pails) and spread on to the coating with a short-pile paint roller. On structured coatings the sealing can be pre-spread before rolling with a rubber squeegee.

It is important to work with freshly mixed material, i.e. to catalyze smaller batches; with a maximum consumption per layer of 0.8 kg/m<sup>2</sup>. If a thicker layer is required it must be applied in two separate coats.

Consumption of Duracon 319/Matacryl 319 sealer is between 0.3 and 0.8 kg/m<sup>2</sup>, depending on the Duracon/Matacryl coating system on to which it is supplied.

### HEALTH AND SAFETY:

Suitable protective clothing, gloves and safety goggles must be worn during mixing and application of Duracon 319/Matacryl 319.

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 319/Matacryl 319 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