

# DURACON 307

## Surface sealer

February 2024

### PRODUCT:

Duracon 307 is a low 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 307 is intended to be used as a surface sealer for Matacryn floor coatings with a smooth or light slip-resistant surface structure. Typically Duracon 307 will be used for the systems Matacryn TR and SL (formally known as Duracon TR and SL) with or without flakes.

### IMPORTANT ADVICE:

Permanent water immersion can result in a white discoloration of the Duracon 307 sealer. In such service conditions we generally recommend the use of Duracon 306. Please consult your Equus Representative. Where Duracon 307 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, 18 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.

### PROPERTIES:

Liquid State			Cured State		
Viscosity, 25°C:	70-90 mPa*s	DIN 53018	Tensile strength:	14.7 N/mm <sup>2</sup>	ISO 527
Density, 25°C:	0.99 g/ml	ISO 2811	Elongation at max. strength:	0.70%	
Pot life/processing time at 20°C	approx. 15 min.		Elongation at fracture:	0.70%	
Curing time at 20°C:	approx. 40 min.		Modulus of elasticity:	2620 N/mm <sup>2</sup>	
Flash Point:	+11.5°C	ISO 1516	Density, 20°C:	1.16 g/cm <sup>3</sup>	ISO 1183

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

### SURFACE PREPARATION:

The Duracon coating system to be sealed must be dry, clean and free of dust and fat. Any fresh Duracon coating system must be completely cured and cooled down. As a general principle all Duracon coating systems can be resealed with the same Duracon sealer without any difficulty.

### KEY BENEFITS:

- Low viscosity easy spreading
- For medium duty applications
- Especially for smooth surfaces

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### MIXING:

Prior to use Duracon 307 must be carefully stirred to achieve a uniform distribution of the agents contained in the product. Duracon 307 is thoroughly mixed together with the Duracon 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 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 Matacryl 404, which is an accelerating agent.

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

### APPLICATION:

A compatible pigment powder can be used to colour the Duracon 307. 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 sand-blinded coatings the sealer can be pre-spread with a notched rubber squeegee before rolling. It is important to work with freshly mixed material, with a maximum consumption per layer of 0.4 kg/m<sup>2</sup>. If a thicker layer is required it must be applied in two separate coats. Mix small batches.

Consumption of Duracon 307 sealer is between 0.3 and 0.8 kg/m<sup>2</sup>, depending on the Duracon Industrial Floor coating system on to which it is applied.

### HEALTH AND SAFETY:

Suitable protective clothing, gloves and safety goggles must be worn during mixing and application of Duracon 307 .

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 307 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
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