

MATACRYL 215 WL

Formally known as Duracon 215

February 2024

PRODUCT:

Matacryl 215 WL is a polyurethane modified resin based on acrylic monomers and polymers.

USAGE:

Matacryl 215 WL is an elastised binder intended for the formulation of flexible membranes and flexible wear resistant coatings exposed to subzero temperatures. It is mainly used for:

- Waterproofing and shock absorbing membranes.
- Flexible floor coverings especially if exposed to low temperatures e.g. coolers and freezers.
- As a wearing layer for outdoor applications exposed to heavy mechanical loadings and rapid temperature variations i.e. ramps, bridges and carparks.

STANDARD PACKS:

180 kg steel drums, 25 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:	160-200 mPa*s	DIN 53018	Tensile strength, 20°C:	11.0 MPa	ISO 527
Density, 25°C:	0.99 g/ml	ISO 2811	Tensile strength, 0°C:	20.6 MPa	ISO 527
Pot life/processing time at 20°C	15-18 min.		Elongation at fracture, 20°C:	250%	
Curing time at 20°C:	60-120 min.		Elongation at fracture, 0°C:	158%	
Flash Point:	0-35°C		Modulus of elasticity, 20°C:	82.4 MPa	
			Modulus of elasticity, 0°C:	407 MPa	

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

SURFACE PREPARATION:

The area to be coated, must be pretreated with a Matacryl primer (e.g. Matacryl 108 H Primer) including sanding. The substrate must be dry, firm, solid and free of dust, fat and oil. All substances that can interfere with good adhesion should be removed.

MIXING:

Prior to use Matacryl 215 WL must be carefully stirred to achieve a uniform distribution of the paraffin contained in the product. Matacryl 215 WL is thoroughly mixed together with the Matacryl Catalyst (50% dibenzoyl peroxide), in accordance with the guidelines below .

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 5% by weight of resin
Below 0°C:	Add 5% by weight of resin and additionally add Matacryl 404, which is an accelerating agent.

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

KEY BENEFITS:

- Flexible and crack-bridging at low temperatures
- Wear/impact resistant formulations possible
- Easy to apply
- Fast curing even at low temperatures
- Free from external plasticiser

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APPLICATION:

The material consumption and application method will depend upon the Matacryl Waterproofing system in which Matacryl 215 WL resin is being used. See specific Systems Data Sheets for further information.

HEALTH AND SAFETY:

Suitable protective clothing, gloves and safety goggles must be worn during mixing and application of Matacryl 215 WL.

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.

Matacryl 215 WL 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	
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Manufacturer phone number	+61 2 4648 0397