



## Product data sheet

# REVONCRETE : RV 318 MD

### Polyol Cement concrete

PRODUCT DESCRIPTION	Revoncrete RV : 318 MD A three component self levelling cementitious polyurethane screed.																																																																						
RECOMMENDED USE	Revoncrete ®MD 3-5 mm is ideal for areas, which are subject to heavy mechanical or chemical wear. With high hygienic demands, such as industrial kitchens, bakeries, slaughter houses, dairies, breweries and generally in food industry and other areas..																																																																						
CHARACTERISTICS	<ul style="list-style-type: none"><li>•Excellent chemical resistance</li><li>•Resist 80°C. water temperatures</li><li>•High abrasion resistance</li><li>•Seamless and hygienic finish</li><li>•Easy to clean and sterilise</li><li>•Low maintenance cost</li><li>•Anti slip finish if required</li><li>•Low odour during installation</li></ul>																																																																						
PHYSICAL DATA	<table><tr><td>Colour</td><td colspan="2">Green, Ivory,Grey,Red,blue</td></tr><tr><td>Gloss Level</td><td colspan="2">Matt</td></tr><tr><td>Dry Film Thickness</td><td colspan="2">3.0 – 5.0 mm</td></tr><tr><td>Number of Coat</td><td colspan="2">1</td></tr><tr><td>Theoretical Coverage</td><td colspan="2">0.30 sq.m/ℓ for 3 mm</td></tr><tr><td>Mixing Ratio</td><td colspan="2">Base : Hardener : Filler = 2.5 : 2.5 :0.20: 12</td></tr><tr><td>Thinner</td><td colspan="2">Not required</td></tr><tr><td>Pack Size</td><td colspan="2">17.20 Kgs</td></tr><tr><td>Shelf Life</td><td colspan="2">12 months</td></tr><tr><td>Temperature Resistance</td><td colspan="2">93°C (dry)</td></tr><tr><td>Flash Point</td><td>Base</td><td>: 25°C</td></tr><tr><td></td><td>Hardener</td><td>: 48°C</td></tr><tr><td>Drying Time</td><td colspan="2"></td></tr><tr><td>Potlife</td><td>5 min.</td><td>10 min.</td></tr><tr><td>Light Traffic</td><td>36 hrs</td><td>24 hrs</td></tr><tr><td>Full Traffic</td><td>72 hrs</td><td>48 hrs</td></tr><tr><td>Fully cured</td><td>7 days</td><td>4 days</td></tr><tr><td>Compressive strength</td><td colspan="2">&gt; 59 N/mm<sub>2</sub></td></tr><tr><td>Flexural strength</td><td colspan="2">&gt; 35 N/mm<sub>2</sub></td></tr><tr><td>Tensile strength</td><td colspan="2">&gt; 15 N/mm<sub>2</sub></td></tr><tr><td>Bond strength</td><td colspan="2">&gt; cohesive strength of concrete</td></tr><tr><td>Impact resistance</td><td colspan="2">&lt; 0.5 mm (BRE Screed tester)</td></tr><tr><td>Temperature resistance up to 80°C at 5 mm</td><td colspan="2"></td></tr></table>		Colour	Green, Ivory,Grey,Red,blue		Gloss Level	Matt		Dry Film Thickness	3.0 – 5.0 mm		Number of Coat	1		Theoretical Coverage	0.30 sq.m/ℓ for 3 mm		Mixing Ratio	Base : Hardener : Filler = 2.5 : 2.5 :0.20: 12		Thinner	Not required		Pack Size	17.20 Kgs		Shelf Life	12 months		Temperature Resistance	93°C (dry)		Flash Point	Base	: 25°C		Hardener	: 48°C	Drying Time			Potlife	5 min.	10 min.	Light Traffic	36 hrs	24 hrs	Full Traffic	72 hrs	48 hrs	Fully cured	7 days	4 days	Compressive strength	> 59 N/mm <sub>2</sub>		Flexural strength	> 35 N/mm <sub>2</sub>		Tensile strength	> 15 N/mm <sub>2</sub>		Bond strength	> cohesive strength of concrete		Impact resistance	< 0.5 mm (BRE Screed tester)		Temperature resistance up to 80°C at 5 mm		
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SURFACE PREPARATION	All surfaces to be coated should be clean, dry and free from contamination. <b>Concrete</b>																																																																						



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Allow 28 days for concrete to cure. Remove surface laitance by acid etching, abrasive or scrapping, apply direct.

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## APPLICATION DATA

Application Methods  
Trowel, Recommended

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## SAFETY PRECAUTION

*Keep away from heat, spark and Open flames. Avoid breathing of vapour on skin and eye contact. Keep container closed and store in cool, ventilated area when not in use. Proper ventilation and protective measures must be provided during mixing, application and drying, to keep vapour concentration within safe limits and to protect against toxic hazard. Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces, such as tank interior and building.*

## DISCLAIMER

*The information in this product data sheet is given to the best of our knowledge based on laboratory testing and practical experience. If the product is used under condition beyond our control, we cannot guarantee anything but the quality of the products it self. The information in this product data sheet is liable for modification from time to time in the light of experience and our policy of continuous product development, and without further notice.*