



# TOROCRETE BEDDING MORTAR

BEDDING / REPAIR COMPOUND

## IMPERIAL SYSTEM PRODUCTS

<b>COMPOSITION</b>	Torocrete is a three pack base product based on epoxy resin, incorporating aggregates and curing agents		
<b>PROPERTIES</b>	<p>Torocrete is a chemical resistant bedding and patching compound for the levelling of uneven surface of decks and corbels prior to the installation of bearing pads, and mechanical joint profiles.</p> <p>It is also used for machinery base support and flooring to sensitive areas. In addition to its chemical resistance, it have very strong adhesion strength to concrete substrate. (adhesion strength is the break strength of concrete). Torocrete have high compressive strength and will resist abrasion well.</p> <p><b>SPECIAL FEATURES</b>            Smooth achievable finish            Monolithic minimal joints to harbor soil accumulation            Cost effective thin overlay :            Excellent impact resistance.            Flexural strength exceeds 40 Mpa            Withstands static loading and wheel traffic            Compressive strength is not less than 86 Mpa            Tensile strength is not less than 30 Mpa when fully cured.</p>		
<b>TYPICAL APPLICATION</b>	<p><b>INDUSTRIAL</b>            Food Industry            Chemical Industry            Plating facilities            Pharmaceutical            Aviation            Breweries</p>	<p><b>COMMERCIAL</b>            Oily workshop floors            Warehouses            Showrooms            Butcher Shops            Bakeries            Garages</p>	
<b>TYPICAL SYSTEM</b>	<p><b>SUBSTRATE</b>            Concrete</p>	<p><b>SURFACE PREPARATION</b>            Concrete must be fully cured.            Clean substrate of all surface latience.</p>	<p><b>TYPICAL SYSTEM</b>            Clean substrate of all surface latience.            Apply one coat of Torocrete primer SL            Mix Torocrete in bucket and trowel onto substrate to required thickness.</p>
<b>PERFORMANCE DATA</b>			
<b>Weathering</b>	Excellent, but will eventually chalk on UV exposure. Chalking however does not detract from general durability and chemical resistance.		
<b>Abrasion Resistance</b>	Excellent. Withstand iron wheel trolley traffic.		
<b>Chemical Resistance</b>	Excellent. Suitable for exposure to a wide range of chemicals.		

**IMPERIAL SYSTEM PRODUCTS**

<b>Immersion</b>	Suitable but do contact Imperialseals UK Pte Ltd for recommendation.
<b>Temperature</b>	Non-immersion 105 degree C dry. 70 degree C wet  10 kg of Torocrete will cover 5000 cm <sup>3</sup> .  Losses incurred during mixing and application should be allowed for estimating job requirement.
<b>Volume Solids</b>	100%
<b>Application</b>	Using a low speed stirrer, thoroughly mix Torocrete base with supplied hardener, stirring until uniform. Then add supplied aggregate slowly, while power stirring continuously, until a uniform mortar consistency is achieved.  Do not thin. Use special thinner CC for equipment clean up only.  In some cases, prior to Torocrete mortar application, it may be advisable to apply a brush or roller coat of Torocrete resin as a primer at the rate of 3m <sup>2</sup> /liter.  Immediately after mixing, empty the contents of the 10 kg mix onto the floor into the remarked area and spread out with a steel trowel.  After the content have been spread out into the marked area, an ordinary plasterers trowel is used in a forward and backward movement, using a degree of pressure to ensure that the material fills all small crevices and hollows in the concrete. Care should be taken to ensure that a minimum thickness of 3 mm is applied over the entire area.  When apply TOROCRETE with a steel trowel, a half circular motion should be used to obtain even spread of the material. When this has been achieved, the tip of the trowel can be used as a guide to monitor thickness.
<b>Drying Time 25degrees/50%RH</b>	Touch dry in approximately 3- 4 hours : and dry overnight. Suitable for foot traffic 24 hours after application.
<b>Curing Packaging</b>	Full cure hardness and chemical resistance is achieved in 7-14 days after application. TOROCRETE will not cure if temperature is below 10 degree C.
	

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