

## Selection & Specification Data

<b>Generic Type</b>	Two component solvent-free modified polyamide epoxy mastic	
<b>Description</b>	Carboguard 165 is a solvent-free, surface tolerant, single coat epoxy system which provides excellent protection against fumes, frequent splash and spillage. The cured film is tough and abrasion resistant.	
<b>Features</b>	<ul style="list-style-type: none"> <li>- One-coat system for column base protection in chemical plants</li> <li>- Crevice filling on mild steel or concrete</li> <li>- Suitable for filling back-to-back angles</li> <li>- Good flexibility</li> <li>- Good weathering (chalks)</li> <li>- Very good abrasion resistance</li> <li>- Not recommended for immersion service</li> </ul>	
<b>Colour</b>	Grey only	
<b>Finish</b>	Semi-gloss (Epoxies lose gloss and eventually chalk in sunlight exposure)	
<b>Topcoat</b>	A test patch is recommended for use over existing coatings. May be topcoated with epoxy or polyurethane systems if required. Consult StonCor Africa Technical Service Department for specific recommendations.	
<b>Dry Film Thickness</b>	2 to 5mm	
	<b>NOTE:</b> Higher film thicknesses up to 15mm is possible when backing cords are used)	
<b>Solids Content</b>	By Volume 100%	
<b>Theoretical Coverage Rate</b>	0.5m <sup>2</sup> /litre at 2mm	
	<b>NOTE:</b> Material losses during mixing and application will vary and must be taken into consideration when estimating job requirements.	
<b>Temp Resistance</b>	Continuous	60°C
	Non-continuous	93°C

## Substrates & Surface Preparation

<b>General</b>	Remove oil or grease from surface to be coated prior to abrasive blast, power or hand tool cleaning.
<b>Steel</b>	Ensure that the surface is dry and free from all contaminants. Dry abrasive blast to a near white metal finish in accordance with ISO 8501 Sa2½ to obtain a 50 to 75 micron blast profile.  For mild environments, power tool clean in accordance with ISO 8501 St3 to produce a rust-scale free surface.
<b>Crevice Filling</b>	Remove all embedded contamination such as dust, dirt, rust, etc. from the crevice by means of high pressure water washing. Sandpaper edges to remove rust and other foreign materials. Ensure that the surface is dry and free from dust or any other contaminants.
<b>Concrete</b>	Do not coat concrete treated with hardening solutions unless test patches indicate satisfactory adhesion. Do not apply coating unless concrete has cured at least 28 days at 25°C and 50% RH or equivalent.  Remove grease, oil, shutter release agents, mould oils and other foreign matter. Remove laitance by abrasive blasting or other means. Remove all dust from surface by vacuum cleaning.

## Performance Data

Test Method	System	Results
Adhesion ASTM D4541	Carboguard 165	> 10 MPa
Compressive Strength ASTM C579B	Carboguard 165	81 MPa

November 2016 replaces October 2015

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