

### Renfloor FC 400

**Description:** **Renfloor FC 400** a high quality high build two component solvent free epoxy coating for application to new and existing concrete & metal floors. The product is designed to be applied by roller or airless spray and it provides smooth, easily cleaned surfaces which is resistant to dirt, moisture, oil, and light-medium abrasion and chemical attack and have the property of self-leveling.

**Recommended use:** As an easy heavy duty coating has a wide range of application uses ranging from light industrial areas to floors requiring long lasting protection from abrasion and heavy loads such as Warehouses, Garages , Dairies , Factories , Laboratories, Aircraft hangars, Plant rooms, Food manufacturing plants and car parks. When used in conjunction with the appropriate slip resistant Renksan Solvent free Epoxy floor coating is suitable for use in wet areas where strict levels of hygiene and cleanliness are required or where chemicals are manufactured, spilled or is an integral part of the process.

#### PHYSICAL CONSTANTS:

<b>Shade /Colors:</b>	RAL color card
<b>Finish:</b>	Gloss
<b>Volume solids %:</b>	100 %
<b>Solids by weight (%)</b>	100 %
<b>Theoretical spreading rate:</b>	10 m <sup>2</sup> /ltr (100 micron DFT)
<b>Recommended DFT:</b>	200 micron
<b>Flash point:</b>	130 °C. /266°F.
<b>Specific gravity:</b>	1.50 kg/liter (± 0,05)
<b>Surface dry:</b>	1 - 2 approx. hour(s) 20°C/68°F
<b>Dry to touch:</b>	2 – 4 hour(s) 20°C/68°F
<b>Hard Dry:</b>	6 - 8 hour(s) 20°C/68°F
<b>Fully cured:</b>	7 days 20°C/68°F

#### APPLICATION DETAILS:

<b>Mixing ratio:</b>	BASE	+	CURING AGENT	
	3	+	1	( by volume)
	4	+	1	(by weight)
<b>Application method:</b>	Airless spray / Brush and roll			
<b>Thinner (max.vol.):</b>	Not Recommended			
<b>Pot life</b>	2 hour(s) 20°C/68°F			

#### Safety:

Handle with care. Before and during use, observe all safety labels on packaging and paint containers, follow all local or national safety regulations.

<b>SURFACE PREPARATION:</b>	<p><b>New Concrete:</b> Unless water-reduced, the floor should be at least 28 days old and give a hygrometer reading not exceeding 80% RH. Dry removal of laitance is required via light grit-blasting or grinding. Dust and other debris should then be removed by vacuum brush.</p> <p><b>Maintenance (old Concrete):</b> A sound, clean substrate is essential to achieve maximum adhesion. Light grit blasting or grinding should be carried out as for new concrete floors. Depending on extent of the contamination, oil and grease penetration may be removed by hot compressed air treatment and primed with Renksan Solvent free clear coat. Adhesion tests must be carried out to confirm sufficient preparation.</p> <p><b>Limitation:</b> should not be applied to any surface subject to back water pressure; otherwise failure of the bond is likely to occur.</p> <p><b>Metal surfaces :</b> According to kind of metal surface applied the surface preparation change and for that please refer to the metal primer surface preparation and then after the application of primer the product can be applied in the same way over the concrete surfaces</p>
<b>APPLICATION CONDITIONS:</b>	<p>Use only where application and drying can proceed at temperatures above: 10°C/50°F. The temperature of paint itself should be 15°C/59°F or above. Apply only on a dry and clean surface with a Temperature above the dew point to avoid condensation. In confined spaces provide adequate ventilation during application and drying.</p>
<b>PRECEDING COAT:</b>	<p>For Concrete surfaces <b>Renfloor CL 100</b> or <b>Renfloor CL 110</b> or <b>Renfloor CL 101</b> and in case of humidity use <b>Renfloor CL 200</b> and for metal surface use <b>Renpox 642</b> or <b>Renpox HB</b> primer.</p>
<b>REMARKS:</b>	
<b>Mixing</b>	<p>Stir the base and hardener components prior to mixing. The Base should be mix thoroughly using a low speed electric drill and suitable spiral mixer for 1 minute. Add hardener component and mix for a further 3 minutes. To maximize pot life pour mixed components into a tray before application.</p>
<b>Pot life:</b>	<p>Working time of epoxy systems decreases when ambient temperature rises.</p>
<b>Moisture</b>	<p>Epoxy layers should be protected from moisture for 4-6 hours after application. Moisture may whiten the surface or/and make it sticky. It may also disturb hardening. Faded or sticky layers in parts of the surface should be removed by grinding or milling and laid again.</p>
<b>Weathering:</b>	<p>The natural tendency of epoxy coatings to chalk in outdoor exposure.</p>

### Renfloor FC 400 for professional use only