

## KEMFLOR 517 SL

### EPOXY TOP COAT – SELF LEVELING

Rev.00-241110

PRODUCT DESCRIPTION			
<p>KemFlor 517 SL is a solvent-less epoxy floor coating for use in industrial and commercial environments. It produces a smooth, self-leveling finish with several advantages.</p> <ul style="list-style-type: none"> <li>• Free of solvents</li> <li>• Good abrasion resistance</li> <li>• Good chemical resistance</li> <li>• High mechanical strength</li> <li>• Easy &amp; fast application</li> <li>• Floor can be put in use quickly</li> <li>• Good durability</li> <li>• Seamless</li> <li>• Aesthetic: Available in several colors</li> <li>• Provides a hygienic surface (easy to clean)</li> </ul>			
INTENDED USES			
<p>KemFlor 517 SL can be used where a durable and easy to clean floor surface is required. Some typical applications include:</p> <ul style="list-style-type: none"> <li>• Pharmaceutical industry</li> <li>• Chemical industry</li> <li>• Food processing industry</li> <li>• Electronic Assembly</li> <li>• Dairies / breweries</li> <li>• Clean rooms</li> <li>• Hospitals</li> <li>• Laboratories</li> <li>• Packaging industry</li> <li>• Workshops</li> <li>• Factory shop floors</li> <li>• Kitchens</li> </ul>			
SPECIFICATION DATA			
<b>Thickness</b>	0.5 mm	1 mm	2 mm
<b>Type</b>	2 pack	4 pack	4 pack
<b>Shade</b>	Range	Range	Range
<b>Finish</b>	Glossy	Glossy	Semi-Glossy
<b>Chemical Base</b>	SL Epoxy Amine	SL Epoxy Amine	SL Epoxy Amine
<b>Mixing Ratio</b>	4:1/wt	2:1:3.5:0.5/wt	2:1:5.8:0.2/wt
<b>Coverage kg/sq.m.</b>	0.714	1.62	3.8
<b>Recommended No. Of Coats</b>	1	1	1
<b>Re-coating Interval</b>	Min. 16 hrs	Min. 16 hrs	Min. 16 hrs
<b>Surface Dry Time</b>	6 hrs	6 hrs	6 hrs
<b>Curing Time</b>	7 days	7 days	7 days
<b>Pot Life</b>	30 min	30 min	30 min
<b>Shelf Life (under std. condition)</b>	12 months	12 months	12 months
<b>Recommended System</b>	Various	Various	Various
<b>Pack Size</b>	30 kg	70 kg	90 kg

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**Note:** These figures are theoretical under controlled conditions and may vary depending upon site conditions i.e. temp., humidity, surface porosity, surface profile, handling of material etc.

### DIRECTION OF USE

#### **SURFACE PREPARATION:**

As is the case with every coating scheme, the surface profile is of utmost importance. In order to achieve optimum bonding between substrate and coating, it is necessary to apply product only on fully dry and neatly cleaned surfaces.

#### **Precautionary measures for new concrete floors:**

Newly laid concrete surfaces are; For the first month or so after pouring, "green" meaning i.e. wet and alkaline. New concrete should be allowed to cure for 28 days prior to coating because of the concerns over the effect of water on floor coating adhesion. Check the moisture level (should be below 5%) prior to application.

#### **Precautionary measures for old concrete floors:**

Surface should be free from dust, grease, oil, laitance, loose material, old coatings etc. Generally cleaning with Kleenol or equivalent is enough to remove grease/oil. Smooth, aged concrete may be etched with dilute hydrochloric acid for suitable roughness and better adhesion of the epoxy flooring. In case of heavy oil & grease contamination, existing partial coating or structurally unsound concrete layer has occurred or old coatings are present mechanical cleaning is advisable.

#### **KEMFLOR 517 APPLICATION:**

After surface preparation depending upon the system adopted KemFlor 517 can be applied on primer or other product. Add the KemFlor 517 parts, under continuous stirring by a very slow speed electric stirrer or jitty blade mixer fitted on an electric drill till the mixture is homogeneous. **DO NOT MIX BY HAND.** Remove all material from each can. Scrape the sides of the container several times to ensure complete mixing. Be careful to not introduce any air bubbles while mixing.

Since the mix ratio is critical to the performance of the flooring system, Quantity to be mixed should be calculated beforehand based on the area to be covered and coating thickness desired. Actual coverage will depend on texture, porosity, slope of the substrate.

Pour the mixed KemFlor 517 SL onto the surface as soon as possible (See pot life) and spread using a serrated trowel. Immediately after the trowel application, a spiked roller should be used to ensure a level homogenous surface free of voids and surface imperfections.

Do not overwork the material. Apply slowly to minimize bubbling. If bubbles appear, use a porcupine roller to produce a bubble free film. KemFlor 517 SL is designed for use without solvents, use of thinners is not recommended.



#### **Chembond Chemicals Limited**

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<b>CLEAN UP</b>	
For cleaning of application equipment and tools use Chembond's thinner no.3.	
<b>MAINTENANCE</b>	<b>SAFETY PRECATIONS</b>
For maximum life expectancy, routinely sweep and wash floors with conventional detergent cleaners. Do not steam clean: all spills powder or liquid should be cleaned up immediately. Inspect the floor regularly for wear, breaks or damages, if found any immediately consult with Chembond's technical service personnel or authorized applicator.	Take care to avoid skin or eye contact and breathing vapours. In the event of the skin contact immediately wash thoroughly. In the event of eye contact, wash continuously for 15 minutes in water and seek medical advice. Wear protective clothing, gloves, and safety glasses while using this product. If inhalation occurs, move to fresh air and seek medical advice in case of difficulty in breathing. Keep material away from heat, flames, and sources of ignition. For further details read Material Safety Data Sheet.
<b>LIMITATIONS OF LIABILITY</b>	
This information is based on our current level of knowledge. It is given in a good faith but it is not intended to guarantee any particular properties. The users must satisfy themselves that there are no circumstances requiring additional information or precautions or the verification of details given herein.	



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