

KEMFLOR 518

EPOXY BASED FLOOR COATING

Rev.00-241110

PRODUCT DESCRIPTION

KemFlor 518 is an epoxy resin base floor coating for use in industrial and commercial environments. It has high mechanical strength and good chemical resistance capability. Easy and fast application, good adhesion to the substrate, easy to clean and most economical.

INTENDED USES

Some typical applications include:

- Pharmaceutical industry
- Chemical industry
- Food processing industry
- Electronic Assembly
- Dairies / breweries
- Clean rooms
- Hospitals
- Laboratories
- Packaging industry
- Workshops
- Factory shop floors
- Kitchens

SPECIFICATION DATA

Thickness	125 micron
Type	2 pack
Shade	Range
Finish	Glossy
Chemical Base	Epoxy Amine
Mixing Ratio	5:1/wt
Coverage kg/sq.m.	0.214
Recommended No. Of Coats	2
Re-coating Interval	Min. 16 hrs
Surface Dry Time	6 hrs
Curing Time	7 days
Pot Life	30 min.
Shelf Life (under std. condition)	12 months
Recommended System	Various
Pack Size	30 kg

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.

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DIRECTION OF USE	
<p>SURFACE PREPARATION:</p> <p>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.</p> <p>Precautionary measures for new concrete floors:</p> <p>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.</p> <p>Precautionary measures for old concrete floors:</p> <p>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.</p> <p>KEMFLOR 518 APPLICATION:</p> <p>After surface preparation depending upon the system adopted KemFlor 518 can be applied on primer or other product. Mix the entire content thoroughly and apply immediately to the surface by brush or roller. Ensure proper penetration of the coating into the substrate. If the surface is porous; apply a second coat of KemOxy Concrete Primer. Allow the primer to set for 8 hours but not more than 16 hours prior to application of subsequent coats. We should mix the components of KemFlor 518 properly. Then mixed material will be applied by appropriate roller brush and should be consumed within 35 min. after mixing at 30°C.</p>	
CLEAN UP	
<p>For cleaning of application equipment and tools use Chembond's thinner no.3.</p>	
MAINTENANCE	SAFETY PRECAUTIONS
<p>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.</p>	<p>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.</p>

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LIMITATIONS OF LIABILITY

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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