

## KEMFLOR 621

### PU RESIN BASED SELF LEVELING

Rev.00-241110

PRODUCT DESCRIPTION	
Solvent less Aromatic polyurethane based self leveling floor topping for heavy industrial use. It has very high mechanical strength. Enhances the total system's finish, easy to apply, solvent-free no fire risk, excellent adhesion to substrate, very high mechanical strength.	
INTENDED USES	
KemFlor 621 can be applied to provide high strength .It is recommended as a protective coating on floors where both high level of aesthetics and abrasion resistance are required. It is suitable for	
<ul style="list-style-type: none"> <li>• Food and drink processing plants</li> <li>• Depots and loading ramps, hangers, stairs etc.</li> <li>• Pharmaceutical and cosmetic plants</li> <li>• Workshop in industries, machine-shops and warehouses</li> </ul>	
SPECIFICATION DATA	
<b>Thickness</b>	2 mm
<b>Type</b>	3 pack
<b>Shade</b>	Clear
<b>Finish</b>	N/A
<b>Chemical Base</b>	Polyester Polyol Cured with Aromatic Diisocyanate
<b>Mixing Ratio</b>	2.25:1:5/wt
<b>Coverage kg/sq.m.</b>	3.5
<b>Recommended No. Of Coats</b>	1
<b>Re-coating Interval</b>	Min. 12 hrs
<b>Surface Dry Time</b>	3 hrs
<b>Curing Time</b>	7 days
<b>Pot Life</b>	30 min.
<b>Shelf Life (under std. condition)</b>	6 months
<b>Recommended System</b>	Various
<b>Pack Size</b>	-
<b>Note:</b> 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	
<b>SURFACE PREPARATION:</b>	
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.	

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#### 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 621 APPLICATION:

After surface preparation, add the components in the particular ratio, under continuous stirring by a very slow speed electric stirrer, 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. As the product is moisture sensitive. Take care during 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 621 onto the surface as soon as possible (See pot life) and spread using a notched 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.

#### CLEAN UP

For cleaning of application equipment and tools use Chembond's thinner no.4.

#### MAINTENANCE

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.

#### SAFETY PRECAUTIONS

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,



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	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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