

## KEMFLOR 618

### PU FLOOR COATING – TOP COAT

Rev.00-241110

#### PRODUCT DESCRIPTION

KemFlor 618 is an aromatic polyurethane based floor coating top coat for interior applications. It has excellent adhesion over primed surface & having excellent abrasion & chemical resistance. PU floor coating for use in industrial & commercial environments. It produces smooth finish with several advantages.

- Fast curing
- Good abrasion resistance
- Good chemical resistance
- High mechanical strength
- Easy & fast application
- Floor can be put in use quickly
- Good durability
- Seamless
- Aesthetic: Available in several colors
- Provides a hygienic surface (easy to clean)

#### INTENDED USES

KemFlor 618 can be used where a durable and easy to clean floor surface is required. 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

<b>Thickness</b>	75 micron
<b>Type</b>	2 pack
<b>Shade</b>	Range
<b>Finish</b>	Glossy
<b>Chemical Base</b>	Polyester Polyol Cured with Aromatic Diisocyanate
<b>Mixing Ratio</b>	3.5:1/wt
<b>Coverage kg/sq.m.</b>	0.1
<b>Recommended No. Of Coats</b>	2
<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>	20 kg



#### Chembond Chemicals Limited

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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 618 APPLICATION:

Ensure that the surface to be top coated is smooth, zero level and free of any surface impurities. Depending upon the system adopted KemFlor 618 can be applied on primer or other product. KemFlor 618 is pigmented, so stir well before mixing then add the KemFlor 618 parts, under continuous stirring by a very slow speed stirrer. 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. Apply by Roller / Brush and allow curing for 12 hrs before applying second coat. Allow it to cure and allow trafficking after 24 hrs of ageing.

#### 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

#### 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,



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service personnel or authorized applicator.	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.
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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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