

## PRODUCT SPECIFICATIONS

**Product Description** A two component, heavy duty, chemically resistant solvent free amine cured epoxy floor coating.

- Design Feature**
- Glossy abrasion resistance floor finish
  - Excellent chemical resistance.
  - Flexible, tough and high strength coating.
  - Environment friendly, zero VOC coating.
  - Excellent inter-coat adhesion over old aged epoxy

**Physical Characteristics**

Recommended Application Data	Wet [ $\mu\text{m}$ ]	Dry [ $\mu\text{m}$ ]	$\text{m}^2/\text{l}$
Theoretical Coverage	200	200	5.0

Volume solids	:	100 % (based on ASTM D2697)
Dry Film Thickness Range	:	125 $\mu\text{m}$ to 500 $\mu\text{m}$
Flash Point	:	90 °C
Finish	:	Gloss
Colour Range	:	Various Colours
Standard Packing Size	:	20 litres set (15.6 Litres Base : 4.4 litres Hardener)
Mix Ratio (by volume)	:	3.55 Base : 1 Hardener
Standard packing size	:	20 lit and 30 kg set

- Application Method**
- AIRLESS SPRAY : Tip Size : 0.58 – 0.69 mm ( 23 – 27 thou )  
 Recommended method of application : Pressure : 280 – 320 kg/cm<sup>2</sup> (4000 – 4500 psi)
- BRUSH OR ROLLER : May be used. However, additional coats may be required to achieve the recommended film thickness. Suitable for stripe coating, weld-seams, edges, corners, rivets, etc.

\* **Important:** Mix the two components of this product only when ready to apply. Once mixed apply immediately. As this product has a very short potlife, delays in application may adversely affect self-levelling properties and may jam up airless spray equipment.

**Drying & Curing Time**

Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval		Pot Life
			Min.	Max.	
15 °C	6 hours	24 hours	24 hours	7 days	75 minutes
25 °C	4 hours	12 hours	16 hours	5 days	1 hour
35 °C	2 hours	8 hours	12 hours	3 days	40 minutes

- Useful Information**
- THINNER : Not required  
 CLEANER : SOLVALUX 7-77  
 STORAGE : Store in a cool dry shaded area.

**Surface Preparation**

The service life span and the service performance of Apcoflor 3000 is directly related to the degree of surface preparation.

- New concrete should be left for 28 days to cure before coating.
- The concrete should be prepared by shot/grit blasting or scrubbling to provide for a rough surface profile.
- Blowholes and other defects in the concrete should be filled with suitable solvent-less epoxy filler.
- The surface to be coated should be sound, dry and free from all foreign matter such as dirt, dust, oil and grease.
- Apply a coat of Apcoflor 1000 primer to seal the concrete surface prior to application of Apcoflor 3000
- For application over aged epoxy flooring, thorough sanding is required. All loose and flaking coatings should be taken back to a firm edge

**Product Use Restrictions**

- This product should only be applied by skilled applicators. Improper use of this product and poor application technique may result in poor strength and surface defects.
- Apcoflor 3000 provides excellent resistance to spillages of a wide range of chemicals. However, all spillages should be removed as quickly as possible and the affected surface washed down with water.

**Typical Coating Specification**

Substrate Surface	Priming	2 <sup>nd</sup> Coat	3 <sup>rd</sup> Coat
Concrete	Apcoflor 1000	Apcoflor 3000	Apcoflor 3000

**Notes**

- The coating specifications given above are typical. For specific recommendations to suit individual applications, please refer to your Berger Paints representative.
- Please consult your Berger Paint Representative for recommendations on suitability for the containment of specific cargo / cargoes.
- Common to all epoxies this product will experience chalking on prolonged exposure to sunlight. However, this phenomena is not detrimental to coating performance.
- Exposure to very low temperatures, high humidity or water ponding during and / or immediately after application may result in incomplete cure and / or discolouration that may compromise subsequent intercoat adhesion.

**Safety Precaution**

- Avoid contact with eyes and skin. Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Use barrier cream.
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe in vapour or spray mist.
- This product is flammable. Keep away from sources of ignition. Do not smoke.
- Take precautionary measures against static discharge.
- In case of fire, blanket flames with foam, carbon dioxide or dry chemicals.

**First Aid**

- Eyes** : In the event of accidental splashes, flush eyes with warm water immediately and seek medical advice.
- Skin** : Wash skin thoroughly with soap and water or approved industrial cleaner. Do Not Use solvents or thinners.
- Inhalation** : Remove to fresh air, loosen collar and keep patient rested.
- Ingestion** : In case of accidental ingestion, DO NOT INDUCE VOMITING. Obtain immediate medical attention.

For further safety information, please refer to our **Material Safety Data Sheet (MSDS)**

The information provided on this data sheet is not intended to be complete and is provided as general advice only. It is the responsibility of the user to ensure that the product is suitable for the purpose for which he wishes to use it. As we have no control over the treatment of the product, the standard of surface preparation of the substrate, or other factors affecting the use of this product, we are not responsible for its performance nor would we accept any liability whatsoever or howsoever arising from the use of this product unless specifically agreed to in writing by us. The information contained in this data sheet may be modified by us from time to time, and without notice, in the light of our experience and continuous product development.

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