

AMITEK EPOXY FLOOR SCREED

PRODUCT DESCRIPTION :

It is a three component Epoxy resin based floor Screed. It provides self levelling with high abrasion, mechanical, chemical resistant, compressive and flexible strength to the floor. It makes the flooring eligible to handle very high traffic.

APPLICATION AREA:

- It is recommended to be used before any type of topcoat.
- For heavy duty ramps, flooring and vehicle parking.
- Traffic deck system for heavy duty traffic, areas such as ramps, car parks, parking bays, pedestrian walkways, roof decks and industrial floors
- Loading-unloading bays for heavy duty vehicles, high abrasion floors for engineering plants, workshops, dairies, breweries, food processing, automotive and chemical plants.
- Recommended for cold stores, laboratories, hospitals, food and beverage plants, kitchens, high tech manufacturing facilities, dairies, warehouses, factories and hangars.

PHYSICAL DATA :

Volume Solids (Based on ASTM D2697)	: 100 %
Typical Dry Film Thickness	: 2 – 5 mm
Theoretical Coverage	: 0.15 m²/kg @ 3 mm dft
	: 0.25 m²/kg @ 2 mm dft
Finish	: Matt

APPLICATION AREA:

- Pour the entire screed material and spread uniformly onto the primed surface using a suitable trowel to get the required screed thickness.
- Finish the surface with a suitable steel trowel. The coverage would vary significantly based on the nature of the concrete surface.

	Ambient Temperature	Touch Dry	Hard Dry	Full Cure	Pot Life
Drying time	25°C	8 Hrs	24 Hrs	10 Days	45 Minutes
	35°C	4 Hrs	16 Hrs	7 Days	30 Minutes
	45°C	2 Hrs	14 Hrs	5 Days	20 Minutes

No. of Components	Three
Mixing Ratio (Base: Hardner: filler)	As per packaging.
Induction Time	10 Minutes
Overlay Time on Primed Surface	1 – 2 Hrs.
Application Conditions	Do not apply this product if the relative humidity exceeds 95%

PHYSICAL DATA :

Thinner/Cleaning solvent	: A.P.P. Paint & Chemicals thinner
Storage Instruction	: Store in a cool shaded dry area
Packaging	: 15 kg & 30 kg
Shelf Life	: 24 months

APPLICATION AREA:

- To secure lasting adhesion and bonding between substrate and coating system all surfaces shall be clean, dry and free from any contamination. New concrete surface must be a minimum of 28 days old, free from curing compounds and sealers and have a moisture content less than 5% prior to application of the primer. Screed will be applied over properly primed surfaces.
- The surface can be prepared mechanically using sand blasting, shot blasting or scarifier. Surface preparation by acid etching with hydrochloric acid followed by thorough water wash and wire brushing should be the last option where methods mentioned earlier cannot be applied. Acid etching should be carried out in compliance to the local health and hazard regulations and should be necessarily supervised by a skilled person. The choice of surface preparation should be determined by the extent and nature of contamination present on the concrete surface. All dust present must be removed by vacuum pump. Apply A.P.P. EPOXY FLOOR PRIMER before screed. On porous flooring, an extra coat of sealer is recommended so to avoid dry patches and ensure inter-coat adhesion. Expansion joints should be brought up through the coating.

Mixing

- A suitable power driven mixer such as a bucket mixer is recommended for uniform mixing of the screed material. Stir the base and hardener separately. Blend the aggregates in the base. Mix hardener gradually into the base under continuous stirring as per the stated mixing ratio. After induction time, mix the aggregates into the mixed resin portion uniformly under continuous mechanical agitation. Mix well for 3 – 4 minutes till the components become homogeneous. Apply before expiration of pot life.

Product Use Restrictions

- Generally recommended for interior use.
- Application method and higher drying temperature may affect the colour of the coating.
- As common with all epoxy products, this product also will tend to discolour and chalk on exposure to direct sunlight.

Safety Precautions :

- Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust masks and gloves. Use a barrier cream.
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapour or spray.
- 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.
- Refer to MSDS for further information.

First-Aid

- Eyes : In the event of accidental splashes, flush eyes with water immediately and obtain medical advice.
- Skin : Wash skin thoroughly with soap and water or approved industrial cleaner. Do not use solvent or thinners.
- Inhalation : Move patient to fresh air, loosen collar and keep patient rested.
- Ingestion : In case of accidental ingestion, do not induce vomiting. Obtain immediate medical attention.

DISCLAIMER:

The information above is believed to be accurate & represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use, handling and from contact. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way, AMITEK manufactured by APP Paint Chemicals Private Limited will be liable for any claims, losses, or damages of any third party or for lost any special, indirect, incidental, consequential or exemplary charge, however arising, even APP Paint Chemicals Private Limited has been advised of the possibility of such damages.

MANUFACTURED BY -

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