

Floor Coating Epoxy Primer

Description

Happilac Floor Coating Epoxy Primer is a two component with high build and high performance epoxy primer, exhibiting excellent adhesion and resistance against solvent, water, mild acids, bases and wide range of chemicals. It is based on high molecular weight epoxy resin and anticorrosive pigments. It has been designed to provide fast drying. It provides economical and hard wearing surfaces at low temperature for a wide range of application. Happilac Floor Coating Epoxy Primer may also be used to seal off prepared and aged coatings prior to repainting. Epoxy Primer is ideal for use below the water line as a tie coat between aged epoxies.

Features

- Provides best adhesion between metal and top coats
- Excellent wear resistance
- Excellent chemical resistance
- Minimizes maintenance costs
- Brightens working environment
- Can be used below the water lines
- Excellent adhesion to variety of surfaces
- Easy application
- Easy cleaning

Recommended For

Happilac Floor Coating Epoxy Primer is suitable for all industrial floors; clean rooms, parking bays, show rooms etc. where Epoxy self leveling Floor Coating systems are to be used over concrete surfaces.

Limitations

- It is not recommended for surfaces known to suffer from rising damp.
- Pot life is small.

Product Information

General Properties		Coating Properties	
Specific Gravity		<u>Flexibility</u>	Good
Component A	1.2±0.05	<u>Water resistance</u>	Excellent
Component B	0.92 ±0.05	<u>Abrasion resistance</u>	Good
Mixing ratio	3:1 (Vol/Vol)	<u>Corrosion resistance</u>	very good
Pot Life	Approx. 1-1.5 hours @ 30°C	<u>Shelf life</u>	1 year
Thinner	Epoxy Thinner	<u>Temperature resistance</u>	up to 100°C
Flash Point	68°C	<u>Chemical resistance</u>	Good
Covering	10 -12m ² /liter/Coat	Surface staining may result from exposure to some aggressive chemicals. Good housekeeping practice requires that spills be quickly removed and washed away.	
Recommended WFT	60-70 micron/Coat		
Recommended DFT	50-60 micron/Coat		
Drying/Curing @ 30°C			
Tack Free	4-6 hours		
Recoating time	16-24 hours		
Cure time	5-7 days		

Surface Preparation

Concrete:

Remove any old, loose material and laitance by wire brushing. Acid etching or sweep blasting technique can also be used. New concrete must be at least 28 days old. Wipe any old or grease by using suitable surface degreaser. Hose off with high pressure water. Captive blast clean to expose firmly held aggregate to industrially accepted standards. Allow to dry before application. Blowholes and other defects should be filled with suitable filler. Wash the surface by washing with fresh water and allow drying.

Application

Mix Component A & Component B in the recommended ratio. Thorough care should be taken that excess air bubbles should not form. Give an indication period of 10-15 minutes prior to application. A normal brush or a roller may be used for difficult shapes or touch ups, however additional coats may be required to achieve the recommended film thickness. The method of application is recommended for stripe coating welds, edges, rivets etc.

Allow the coating to cure for 5-7 days prior to subjecting chemical exposure.

Application Guideline	Air Spray	Air Less Spray	Brush/Spray
Type of thinner	Happilac Epoxy Thinner	Happilac Epoxy Thinner	Happilac Epoxy Thinner
Volume of thinner	As per requirement	As per requirement	10-15%
Nozzle Orifice	1.3-2.0mm	00.15-20mm
Nozzle Pressure	3-4 Bars	140-160 Bars

Recommended Sequence and No. of Coats

Concrete Floors	Happilac Floor Coating Epoxy Primer 2x50 micron DFT Happilac Epoxy Floor Coating 2x50 micron DFT
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Packing and Storage

Happilac Floor Coating Epoxy Primer is available in 4.00 liters gallon and 20 liters packing containing base and hardener in correct proportions.

Store in cool and dry place between 5-30° C, away from source of heat and ignition. Protect from frosting.

Health and Safety Notes

- When applying paint, wear appropriate eye protection.
- In case of eye contact with product, rinse with plenty of water for at least 10 minutes.
- Don't breathe spray mist or dust.
- Ensure proper ventilation when applying paint.
- If swallowed, it may cause serious damage.
- When empty, don't use its container for edible storage.
- Place out of reach of the children.
- Pregnant women are advised to avoid breathing of paint mist or spray.
- In case of any emergency, undergo medical supervision as soon as possible.

WARNING: Scraping/sanding off previously painted surfaces may release lead dust or fumes. Lead is highly toxic; take protective measures thoroughly when rubbing off the old surfaces.