

Epoxy Floor Coating

Description

Happilac Epoxy Floor Coating is a high build, durable, 2 pack epoxy. It is designed to provide excellent abrasion, outstanding mechanical properties combined with resistance to mild acids, bases and other chemicals to concrete floors. It has been especially formulated to provide fast drying and long work time for easy application. It can be applied at low temperature to provide hard wearing, colorful surfaces suitable for heavy foot traffic and rubber tired vehicles. It cures to smooth semi-gloss finish which is easily cleaned.

Recommended For

Happilac Epoxy Floor Coating is suitable for industrial floors, car parks, beverage plants, refineries, dairies, food process units, computer access floors, pulp mills, poultry farms, construction industry and other chemical industries.

Features

- Fast Walk-dry time
- Excellent wear resistance
- Excellent chemical resistance
- Superior to chlorinated rubber
- Minimizes maintenance costs
- Brightens working environment
- Easy application
- Easy cleaning
- Available in semi gloss and matt finish

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			
Component A	1.35±0.05	Flexibility	Good
Component B	0.930±0.05	Water resistance	Excellent
Mixing ratio	3:1 (Vol/Vol)	Abrasion resistance	Good
Pot Life	Approx. 1 -1.5 hours @ 30°C	Corrosion resistance	very good
Thinner	Epoxy Thinner	Shelf life	1 year
Flash Point	27°C	Temperature resistance	up to 100°C
Covering	9-10 m ² /liter/Coat	Chemical resistance	Good
Recommended WFT	150-200 micron/Coat	Surface staining may result from exposure to some aggressive chemicals. Good housekeeping practice requires that spills be quickly removed and washed away.	
Recommended DFT	125-175 micron/Coat		
Drying/Curing @ 30°C			
Tack Free	2-3 hours		
Recoating time	20-24 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	1 Coat of Happilac Floor Coating Epoxy Primer 2 Coats of Happilac Epoxy Floor Coating
-----------------	--

Packing and Storage

Happilac Epoxy Floor Coating is available in 4.00 liter gallons and 20 liter 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.