

Industrial Synthetic Enamel

Description

Happilac Industrial Synthetic Enamel is high quality, glossy enamel paint, technically adjusted for industrial uses concentrating on the protective properties of the paint still having decorative values intact. Dyes, pigments and additives are selected to cope with the corrosive environment of the industry, controlling the price.

Recommended For

Happilac Industrial Synthetic Enamel is suitable for all type wood, steel, concrete and masonry surfaces. It can be used for interior as well as exterior. It can be used for decorative purposes.

Features

- High gloss
- Decorative plus protective
- Resistant to mild chemical attack
- Excellent resistance to abrasion
- Affordable
- High color fastness pigments

Limitations

- Drying time may vary depending on weather and drying conditions.
- Ensure the correct primer or sealers used

Product Information

Composition: Alkyd resin, high color fastness pigments and specialty additives.	Binder type	Solvent based alkyd
	Pigment type	Titanium dioxide
Certifications: VOC compliant in all regulated areas. OHSAS : 18001 ISO : 14001 ISO : 9001	Volume solids	45±2 %
	Weight solids	65±2 %
	Specific gravity	1.0±0.01
	Odor	Slight odor
Technical Help: Happilac Paints technical department is always available to assist you in the correct use of our products.	Viscosity (@ Ford Cup F4)	250± 20 Sec
	Flash point	34 °C
	PH	Not applicable
	Application	Brush, Roller, Spray
Storage: The product must be stored in a cool, dry and well ventilated place away from source of heat and ignition. Keep the container closed and upright and handle with great care.	Finish	Gloss
	Thinner	Mineral turpentine
	Thinning	As per requirement, max 25%
	Dries by	Evaporation, Oxidation
	Surface dry	1.5-2 hours
	Hard dry	16 hours
	Recoat	16 hours
	Drying and recoat times are temperature, humidity and film thickness dependent	
	Coverage	13-15m ² /liter/coat
	Film thickness	20-25 microns per coat
Packing	3.64 ltr, 0.91 ltr	
Storage temperature	4-33 °C	
Color range	See appropriate shade card	

Surface Preparation and Application

Appropriate and good surface preparation significantly increases the top coat life and durability. Deploy skilled/experienced individuals for the application of paint. A few general instructions are given below:

New or Bare Surfaces

Surface to be painted must be dry, clean and free from all contamination. Remove dirt, grease and waxy material. Steel should be cleaned with MTT soaked rags. Apply a coat of Happilac Synthetic Undercoat on wood and Happilac Red Oxide Primer on the steel structure. Make it smooth after 24 hours with sand paper. Then apply two coats of Happilac Industrial Synthetic Enamel, putting 10 hours interval in between. Moreover, the surface should be moisture free.

Previously Painted Surfaces

Scrape off all the loosely adherent paint from the surface with an appropriate abrasive paper. Properly clean the substrate and apply Happilac Red Oxide Primer or Happilac Zinc Chromate Primer on all metal surfaces in order to prevent from rusting. Apply Happilac Undercoat on all wood surfaces. Then apply two coats of Happilac Industrial Synthetic Enamel, putting 10 hours interval in between.

Recommended Paint System for METAL Substrates

Sequence	Recommended Product	No. of Coats
Primer	Happilac Red Oxide Primer/Zinc Chromate Primer	1
Finish	Happilac Industrial Synthetic Enamel	2-3

Recommended Paint System for WOOD Substrates

Sequence	Recommended Product	No. of Coats
Sealer	Happilac Zinc Chromate Primer	1
Finish	Happilac Industrial Synthetic Enamel	2-3

Recommended Paint System for MASONRY Substrates

Sequence	Recommended Product	No. of Coats
Sealer	Happilac Wall Primer Sealer	1
Putty/Filling	Happilac Strong Wall Filling	1-2
Finish	Happilac Industrial Synthetic Enamel	2-3

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.