

PRODUCT DESCRIPTION

Generic: Waterborne Epoxy Thin Floor Paint

General Description: A high performance, multipurpose, two component chemically cured waterborne epoxy thin floor paint with high gloss, excellent hardness, impact resistance, excellent chemical, staining resistance, humidity resistance etc. Features low VOC, high flash point, lower odor than solvent-based epoxies. For use on properly prepared concrete, curing compounds floor and steel floor etc.

Typical Uses: Use roller primarily for in commercial and official buildings, school, hospitals, tobacco plant, underground carport etc, and may also be applied by brush.

SPECIFICATION DATA

Color: White & Limited colors

Gloss: High gloss

Deduction Solvent: Water

Clean-up Solvent: Soapy water and water

Theoretical Specific Gravity: 1.36kg/L-Varies with color

Solid By Volume: 62.7%-Varies with color

Theoretical Coverage at 125 microns DFT: 5m²/L.

Practice spreading rate is depended on the variety of substrate, applying process, service environment, surface roughness and others.

Recommended Film Thickness:

125-200microns-dry film

200-320microns-wet film

Service Temperature Limits: 121°C, dry environment, some color may discolor if temperature is above 60 °C

Dry time: 125um DFT, at 25°C & 50% R.H

Touch Dry	4hours
Dry Hard	48Hours
Minimum Recoat Self	36 Hours
Maximum Recoat Self	7 days
Full Cure - (Heavy traffic)	7 days

Ventilation, film thickness, humidity, thinning, and other factors can influence the rate of dry.

Mix Ratio By Volume: 2.5(base): 1(converter)-see mixing instructions.

Induction: None

Pot Life: 30 mins @ 25°C & 50% RH, when the temperature is over @ 25°C, will reduce the pot life.

Shelf life: 12 months at 25°C - unopened

FEATURES

Advantages:

- Low odor
- Low VOC
- Excellent permeability
- Dust proofing
- Chemical and stain resistant
- Exceptional resistance to a wide variety of chemicals and solvents, oils and greases
- Suitable for fresh & salt water immersion
- Surface seamless and smoothness, easily cleaning
- Excellent adhesion
- Easily washed and cleaned

Service Limit: Exterior exposure may discolor, chalk, and lose gloss. And will not affect its protective properties.

GENERAL SURFACE PREPARATION

All surfaces must be sound, dry, clean and free of oil, grease, dirt, mildew, form release agents curing compounds, efflorescence, loose and flaking paint and other foreign substances.

New Concrete:

Set at least 28 days before painting. Minimum Compressive Strength of base level at least 25MPa. Remove loose aggregate, voids flaked and seamed surface, scuff sanding is required only on glossy, hard, slick or dense surface which are subject to high levels of moisture, sanding thoroughly before application. Substrate moisture content should be <10% and pH <10, surface should be rough in certain degree. Any substrate defect like empty, layer separation, crack and etc, must be properly repaired before application. Prime with Dulux Pro Waterborne Epoxy Floorshield Primer 375.

Old concrete:

A test patch should be applied to old coatings to check for lifting. If lifting occurs or if old applied coatings are not sound and tightly adherent, they should be removed. Substrate moisture content should be <10%. Aged epoxy coatings and glossy surface must be cleaned and scuff sanded, if the substrate has oil dirt, must be cleaned with solvent. Prime with Dulux Pro Waterborne Epoxy Floorshield Primer 375.

Steel: Best results are obtained over a surface abrasive-blasted to a near white blast (SSPC-SP10, ISO-Sa2.5). Performance over hand or power-tool cleaned surfaces is dependent on the degree of cleaning. A proper primer as A375 should be applied before A376.

DIRECTIONS FOR USE

Tinting: White & Limited colors

Thinning: Thinning with no more than 20% water by volume. Too much water will degrade the performance.

Mixing: Dulux Pro Floorshield 376 is a two components product supplied in 17.5 Litre per kit which contain the proper ratio of ingredients. Power mix base portion first to obtain a smooth, homogeneous condition. Then add the converter portion to the base portion slowly with continued agitation. After the converter add is complete, continue to mix fast until homogeneous. Do not add the base portion to the converter. Slowly add 15%-20% (by volume) of clean water while mixing. Values may vary with colors and application, continues for a further mix, until a uniform mix has been achieved. Mixed material is usable for 30 minutes; if it thickens, do not add thinner, but discard and mix fresh Material. Higher temperatures will reduce pot life of the coating; lower temperatures will increase it. Do not thin with solvents or solvent thinned coatings.

Application: DULUX PRO Floorshield 376 can be applied by roll and brush. The main application method is roll. For roller work use a clean synthetic roller with 1/4"-1/2" nap. new rollers must be free of loose fibers. For maximum performance, at least two coats of this product are recommended. depended on applying process, service environment, surface roughness and others. And keeping good ventilation is necessary. Deep/Bright color products application may be applied according to "Deep/Bright Color Application Guide". Minimum recommended substrate temperature is 15°C, and avoid applying the product when relative humidity above 80%.

Dry Time: At 25°C and 50% R.H., touch dry in 4 hours. Initial curing for light foot traffic on concrete floors is 48 hours. Fully curing is 7 days. Low temperature, high humidity, thick films or poor ventilation will increase dry times.

Clean-up: Clean immediately after use with warm, soapy water.

PRECAUTIONS

For industrial use only. Keep out of reach of children. Consult Material Safety Data Sheets appropriate for this product for important health and safety information prior to use.

Before confirming coating system, please consult your AKZONOBEL DECORATIVE COATINGS SPECIALIST for proper systems. Systems must be selected considering the specific requirement, the particular environment, application process and others involved.

SHIPPING

Freight Classification: Paint

Packaging: 17.5 Litre Kit
12.5 Litre Base
5 Litre Converter

LIMITED OF LIABILITY

To the best of our knowledge, the technical data contained herein are true and accurate at the data of issuance but are subject to change without prior notice. We guarantee our product to conform to the specifications contained herein. WE MAKE NO OTHER WARRANTY OR GUARANTEE OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING MERCHANT ABILITY AND FITNESS FOR PARTICULAR PURPOSE.

Akzo Nobel Swire Paints (Shanghai) Ltd.
Akzo Nobel Swire Paints (Guangzhou) Ltd.
Akzo Nobel Decorative Coatings (Langfang) Co., Ltd.

Guangzhou Office Tel: (020) 8388 0680 Fax: (020) 8375 2250
Shanghai Office Tel: (021) 2220 5000 Fax: (021) 2220 5558
Beijing Office Tel: (010) 8528 2099 Fax: (010) 8528 2080
Chengdu Office Tel: (028) 6153 3121 Fax: (028) 6153 3113

Wuhan Office Tel: (027) 8544 8566 Fax: (027) 8544 9722
Kunming Office Tel: (0871) 63200217 Fax: (0871) 63105139
Xian Office Tel: (029) 8840 2522 Fax: (029) 8840 2565
Shenyang Office Tel: (024) 2253 2170 Fax: (024) 2253 2397

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