

PRODUCT DESCRIPTION

Generic: Waterborne Epoxy Penetration Primer-Sealer

General Description: A high performance, two-component chemically-cured Waterborne epoxy penetrating sealer. Ideal for floor substrate of concrete, brick & stone, and floor hardener etc.. It provides penetrating, sealing, strengthening. Improve adhesion of top coat by penetrating or sealing pores and small cracks of concrete surface, brick & stone surface. Conform a system with Dulux Pro Floor coating.

Typical Uses: Can be used in the areas of chemical, electric, plastic, Textile, paper printing, carport, lab, public construction, where high performance floor coatings are required. It can also be used to steel floor.

SPECIFICATION DATA

Color: Amber clear

Gloss: Medium sheen

Deduction Solvent: Water

Clean-up Solvent: Soapy water and water

Theoretical Specific Gravity: 1.03kg/L

Solid By Volume: 60%

Theoretical Coverage at 100 microns DFT: 6m²/L.

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

Recommended Film Thickness:

60-150microns-dry film

100-250microns-wet film

Service Temperature Limits: 100℃, dry environmentmicrons.

Dry time: 75um DFT, at 25℃ & 50% RH

Touch Dry	4hours
Dry Hard	36Hours
Minimum Recoat	12 Hours
Maximum Recoat	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(base): 1(converter)-see mixing instructions.

Induction: None.

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

Shelf life: 12 months at 25℃ - unopened

FEATURES

Advantages:

- Excellent adhesion
- Extraordinary penetrating sealing
- Very low odor
- Low VOC
- Easily washed and cleaned
- Excellent permeability

GENERAL SURFACE PREPARATION

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

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.

DIRECTIONS FOR USE

Thinning: Thinning with no more than 25% water by volume. Too much water will degrade the performance.

Mixing: Dulux Pro Floorshield 375 is a two components product supplied in 15 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 clean water while mixing. Continue 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: Brush and roller are recommended. For roller work use a clean synthetic roller with 1/4" - 1/2" nap. New

rollers should remove loose fibers. Usually one coat is sufficient, but for porous surfaces two coats may be required. It should be applied in one thin, wet coat sufficient to completely cover and penetrate to the concrete and masonry surface. For porous surface, two coats may be needed. And keeping good ventilation is necessary. Minimum recommended substrate temperature is 15°C, and avoid applying the product when relative humidity above 80%.

Topcoats: Dulux Pro Waterborne Epoxy Floorshield 376

Dry Time: At 25°C and 50% R.H. to recoat -dries to recoat 12 hours. Low temperature, high humidity, high film thickness, or poor ventilation will retard the drying time. Should be overcoated within 7 days from point of being tack free.

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: 15Litre Kit
10Litre Base
5Litre 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.

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