

CLEANPOXY MORTAR

DHDC-6500



This paint is an anti-slip paint that is made by mixing epoxy resin and an excellent weather-resistant pigment, for which separately packed sand with good abrasion resistance is mixed for use. This paint is excellent in the hardness of the film, abrasion resistance, impact resistance, oil resistance, adhesion, water resistance, flame resistance and workability. In particular, a super thick coating (5mm) is possible by one coat, and it is widely used for new and repair painting on areas requiring slip prevention such as railings and stairs.

Usage

All floors requiring slip prevention (concrete surfaces, etc.)

Specification

Paint type	Modified epoxy / Modified amine (2-Component)			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	2 days	40 hours	12 hours
	Dry-through	5 days	60 hours	24 hours
	Over-coat (Min.)	5 days	60 hours	24 hours
	Over-coat (Max.)	9 days	4 days	3 days
	Pot life	60 minutes	30 minutes	20 minutes
<small>Above pot life and follow-up coating time have been measured under laboratory conditions and may vary depending on the construction site. The film that has passed the maximum follow-up coating time may have adhesion failure. Please apply after checking the proper surface treatment and adhesion.</small>				
Thinner	Not Applicable	Dilution ratio	▷ No dilution ▷ In case of high viscosity in the winter season, dilute within the volume ratio 1%	
Specific gravity	Approx. 1.10			
Theoretical Coverage	0.94 ~ 1.24 Kg/m ² (3 mm)	Solid volume ratio	98±1 %	
	1.57 ~ 2.06 Kg/m ² (5 mm)	Thickness of dried film	3mm, 5 mm	
Color	Transparent, other ordered colors	Gloss	Glossy	
Mixing ratio	Base(A)/hardener(B)=4/1 (Weight ratio)	Packaging unit	20 kg [Base(16kg), Hardener(4kg)]	
Shelf life	12 months			

How to Use

Surface treatment	<ol style="list-style-type: none">1. Cure concrete for at least 28 days at a temperature of 21°C and a relative humidity of 50%.2. Completely remove the oil, moisture, sand, dust, laitance and other foreign matter from the surface and maintain surface smoothness.3. Reinforce grooves and crevices with epoxy putty and repair severe cracks with CLEANPOXY MORTAR DHDC-6500. Cut the expansion joint after completion of coating and fill with the NEW-THANSUNG SEAL(N).4. Since the dense substrate to which the infiltration of undercoat is difficult causes poor adhesion with the intermediate coating due to the formation of the undercoat film on the surface of the substrate, a pretreatment needs to be done sufficiently before applying the primer so that it penetrates into the concrete and exerts excellent adhesion.
Coating Conditions	<ol style="list-style-type: none">1. Atmosphere Temperature: 5~35°C, Surface Temperature: 40°C or below, Relative Humidity: 80% or less, Moisture content in the concrete: 6% or less2. Please note that due to the nature of epoxy paint, discoloration and chalking may occur if exposed to the outdoor environment.3. The use of a thinner more than the recommended amount causes a further delay in drying, decline in hardness, whitening, skid marks, etc.

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Cleanpoxy mortar DHDC-6500 painting system

Type of coating	Film thickness(μm)	Theoretical amount used	Actual amount used	Loss rate (%)
Primer	300	0.33kg	0.346kg	5
Intermediate coating	5000	Paint: 1.67kg	Paint: 1.76kg	5
		Silica: 10.07kg	Silica: 10.6kg	
Top coating (impregnation)	300	0.33kg	0.346kg	5

Coating Method

The intermediate coating use ratio in the table above may vary depending on the working conditions. Based on Base/Hardener/Silica = 4/1/30 (weight)

The required amount (1/m² - one time application) of the top coat can be discussed according to the degree of impregnation.

For CLEANPOXY MORTAR DHDC-6500 intermediate coating, mixed paint/silica is used at a ratio of 1/6~10.

If the ratio of silica/paint is higher than 6/1 during intermediate coating, use the remaining paint for top coat (impregnation) and let it penetrate into mortar pores.

A difference in gloss may occur according to the degree of penetration into the mortar after top coat (impregnation).

In order to fix the difference in gloss to be uniform, please additionally apply a solvent-based epoxy top coat.

Silica Information

No.	Mesh	Mok	Micron	mm
1	4~8	4.8~9.5	5160~2460	6~3
2	8~12	9.5~14.6	2460~1520	3~2
3	8~12	14.6~19.1	1520~1130	2~1.5
4	12~16	19.1~23.8	1130~864	1.5~0.8
5	16~20	23.8~35.8	864~535	0.8~0.4
6	20~30	35.8~71.5	535~221	0.4~0.2