

PROTECH 2000



Base conditioner exclusively for polyurea.

This paint is a 2-component intermediate coat made of non-solvent elastic urethane. It is free from toxic substances, with no detected heavy metals (4 types), heavy metal leachates (19 types), and phthalate plasticizers (6 types). This product, with excellent adhesion and durability, is used as an exclusive undercoat for polyurea.

■ Heavy metals : Pb,Cd,Cr+6,Hg,Al,Sb,As,Ba,B,Cr+3,Co,Cu,Mn,Ni,Se,Sr,Sn,organic Sn,Zn

■ Leachates : DBP,BBP,DEHP,DINP,DNOP,DIDP ■ Toxic substances : MOCA[4,4'-methylenebis(2-chloroaniline)]

Usage

Background adjustment when applying polyurea to porous building materials such as concrete and cement

Specification

Paint type	Polyurethane resin (2 Component)			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	12 hour	6 hour	4 hour
	Dry-through	48 hours	24 hours	18 hours
	Over-coat(Max.)	48 hours	24 hours	18 hours
	Maturation time	96 hours	48 hours	36 hours
	Pot life	60 minutes	30 minutes	20 minutes
Above pot life and follow-up coating time have been measured under laboratory conditions and may vary depending on the construction site.				
Thinner	DR-700, DR-700L, DR-790	Dilution ratio	▷ No dilution or Little dilution depending on working conditions	
Specific gravity	approx. 1.45 (based on gray color)			
Theoretical Coverage	1.58 kg/m ² (Based on 1mm)	Solid volume ratio	92±3 % (based on gray color)	
Color	Gray, Green, other ordered colors	Thickness of dried film	0.5~1.0 mm	
Mixing ratio	Main agent(A)/hardener(B)=3/1 (Weight ratio)	Packaging unit	20 kg [Main agent(15 kg), Hardener(5 kg)]	
Shelf life	6 months (5~35°C indoor storage)			

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. For high-strength concrete (260kg/m² or higher), blasting treatment should be carried out.
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. 2. Moisture content in the concrete: 6% or less.
Coating Method	<ol style="list-style-type: none"> 1. Apply thinly using a brush or roller so that it does not stagnate in the base during coating. 2. The undercoat should be sufficiently penetrated to the substrate, and if excessive coating is formed on the surface, adhesion failure may occur. 3. The required amount may vary depending on the surface condition. <p>Appropriate construction specifications</p> <ul style="list-style-type: none"> ▷ Primer : CLEANTHANE 1000 (It may vary depending on the substrate.) ▷ Intermediate coat 1 : PROTECH 2000 (if necessary, for the purpose of base adjustment) ▷ Intermediate coat 2 : PROTECH series ▷ Top coat : Top coat : Urethane top coat(hard, very hard type) DHDC-3000(H)