

PROTECH NH-270(LP)

Hybride polyurea



PROTECH NH-270(LP) is a paint applied using a dedicated spray equipment. The product is a special paint mainly composed of the bonding between urea and urethane with its fast curing reaction resulting in a coating (film). The coating is a hybrid-type urea paint with excellent elasticity, abrasion resistance, and elongation, and extremely excellent impact resistance, cold resistance, water resistance, durability, and adhesion.

Usage

Waterproofing material for buildings

Specification

Paint type	Polyurea / Intermediate coating (Two-Component)			
Drying time	Category	5℃	20℃	30℃
	Set-to-touch	Less than 1 minute	Less than 1 minute	Less than 1 minute
	Dry-through	Less than 2 hours	Less than 1 hour	Less than 1 hour
	Above drying time have been measured under laboratory conditions and may vary depending on the construction site.			
Thinner	Not applicable	Dilution ratio	-	
Specific gravity	Approx. 1.05 (Mixed)			
Theoretical Coverage	2.2 kg/m² (Based on 2mm)	Solid volume ratio	99%	
Color	Green, gray, other ordered colors	Thickness of dried film	-	
Mixing ratio	Base(A)/hardener(B)=100/100 (Volume ratio)	Flash point		
Shelf life	6 months (5~35℃ indoor storage)	Packaging unit	30.8 kg [Base(16 kg), Hardener(14.8 kg)]	

Product Properties (Physical Property Data)

Tensile strength	More than 10 N/mm ²	Tearing strength	More than 35 N/mm
Elongation rate	More than 450 %	Hardness	shore A 70 ± 5

How to Use

Surface treatment	<ol style="list-style-type: none">1. Completely remove oil, moisture, sand, dust, and other foreign matter from the surface to be coated.2. Cure concrete for at least 28 days at a temperature of 21°C and a relative humidity of 60%.3. Remove the protruded parts using a grinder. Cracks on the surface should be repaired before coating.
Coating Conditions	<ol style="list-style-type: none">1. If the temperature of the substrate is -5~50°C, spraying is possible.2. Moisture content in the concrete: 6% or less
Coating Method	<ol style="list-style-type: none">1. Apply by using exclusive spraying equipment within one day after primer.2. Use the hardener containing pigments after sufficiently stirring with a drum stirrer before use.3. For a base made of steel, apply after blasting surface treatment and primer treatment.4. If the surface condition is poor after primary coating, reapply within 24 hours.5. Upon spray coating once back and forth, a coating thickness of 0.2~0.3mm can be obtained, and the coating and the coating thickness desired for continuous work can be formed. <p>Recommended construction equipment: SPRAY equipment for polyurea (Graco/Gusmer Reactor E-XP 2 or higher)</p> <p>▷Primer : PROTECH 100 (or CLEANTHANE 1000, BLACKTHANE 100) (It may vary depending on the substrate)</p> <p>▷Intermediate coating: CLEANTHANE 2100(KSF-3211) can be used as a base adjusting agent.</p> <p>▷Top coat : PROTECH 300 (or DHDC-3000(H)) (coating for external exposure)</p>