

NEW-THANSUNG SEAL

1K elastic urethane sealant



This paint is a 1K non-solvent type, elastic urethane sealant that is easy to use because it does not require a mixing process of the base and the hardener, and can prevent defects such as drying defects. In particular, it is excellent in physical performance in terms of adhesion and impact resistance, and it is easy to work on vertical walls due to its excellent thixotropy. It is effective for repairing rooftops, expansion joints and cracks because there is little volume reduction after drying. It also has an excellent paint-ability compared to the sealants of other materials.

Usage

Expansion joints and cracks of concrete surfaces(non-exposure)

Specification

Paint type	Polyurethane resin(1-Component)			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	24 hours	12 hours	8 hours
	Pot life	-	-	-
Above pot life and follow-up coating time have been measured under laboratory conditions and may vary depending on the construction site.				
Amount used	Joint size (Area X Area, mm)	5X5	10X10	20X20
	Filling distance (based on 300ml, m)	12	3	0.78
Thinner	Not Applicable		Dilution ratio	▷ No dilution
Specific gravity	Approx. 1.41			
Theoretical Coverage	See the amount used above		Solid volume ratio	98±1 %
Color	Green, gray		Thickness of dried film	See the amount used above
Flash point	65°C		Shelf life	6 months
Packaging unit	300 ml(cartridge)			

Product Properties (Physical Property Data)

Slump (length)	Less than 3 mm	Hardness	shore A 20 ± 10
Slump (width)	Less than 3 mm		

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. Fill the undercoated surface with the sealant using rubber scraper, etc. after inserting a back-up material. 2. Upon rooftop expansion joint construction, prevent contamination and damage around the building by attaching masking tape. 3. Repair coating for cracks is the same as general putty application. <p>Appropriate construction specifications</p> <ul style="list-style-type: none"> ▷ Primer : CLEANTHANE 1000 ▷ Urethane sealant : NEW-THANSUNG SEAL 1K ▷ Follow-up intermediate coating : Elastic urethane system