

NEW-THANSUNG SEAL(KS)

2K elastic urethane sealant



This paint is a 2K non-solvent type, elastic urethane sealant composed of a base component with an isocyanate group (-NCO) and a hardener component with active hydrogen (-OH). It is excellent in physical performance in terms of elasticity and elongation and shows excellent resilience. 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, and scraper workability is also excellent. This product has obtained KS F 4910 (F-25LM).

Usage	Expansion joints and cracks of concrete surfaces, various joints of engineering works, windows
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Specification

Paint type	Polyurethane resin(2-Component)			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	48 hours	24 hours	12 hours
	Pot life	2 hours	1.5 hours	1 hour
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	15X15
	Filling distance (based on 1LT, m)	40	10	4.5
Thinner	Not Applicable		Dilution ratio	▷ No dilution
Specific gravity	Approx. 1.41 (Based on white color)			
Theoretical Coverage	See the amount used above		Solid volume ratio	99±1 %
Color	Green, gray		Thickness of dried film	See the amount used above
Mixing ratio	Base(A)/Hardener(B)=1/3 (Weight ratio)		Flash point	64°C
Shelf life	12 months (5 ~ 35 °C indoor storage)		Packaging unit	12 kg [Base(3 kg), Hardener(9 kg)]

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"> Cure concrete for at least 28 days at a temperature of 21°C and a relative humidity of 50%. Completely remove the oil, moisture, sand, dust, laitance and other foreign matter from the surface and maintain surface smoothness. For high-strength concrete (260kg/cm² or higher), blasting treatment should be carried out.
Coating conditions	<ol style="list-style-type: none"> Atmosphere Temperature: 5~35°C, Surface Temperature: 40°C or below, Relative Humidity: 80% or less. Moisture content in the concrete: 6% or less.
Coating Method	<ol style="list-style-type: none"> Fill the undercoated surface with the sealant using rubber scraper, etc. after inserting a back-up material. Upon rooftop expansion joint construction, prevent contamination and damage around the building by attaching masking tape. 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(KS) ▷ Follow-up intermediate coating : Elastic urethane system