

TANSUNGTAN CHIP BINDER

One-component elastic urethane chip binder

This paint is a urethane binder based on moisture-curing polyurethane resin corresponding to KS F 3888-2 (outdoor sports facility - elastic packing material). It is a flooring material that is applied with a special coating machine by mixing chips (urethane, EPDM, waste tire). Its excellent shock absorbing ability and elasticity reduce fatigue and exhaustion of the physical strength of pedestrians. It has an anti-slip effect by selecting specific chip material and appropriate size, and it is possible to produce various colors and designs. Elastic packing material is a flooring material applied to sports facilities, providing an excellent walkability with excellent adhesion and elasticity.

Usage

Flooring material for school athletic facilities, multipurpose arenas and concrete surfaces requiring elasticity

Specification

Paint type	Polyurethane resin (One-Component)			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	5 hours	2 hours	1 hour
	Dry-through	24 hours	12 hours	6 hours
	Over-coat (Min.)	36 hours	24 hours	12 hours
	Over-coat (Max.)	72 hours	48 hours	36 hours
	Pot life	60 minutes	40 minutes	30 minutes
<small>Above pot life and follow-up coating time have been measured under laboratory conditions and may vary depending on the construction site.</small>				
Thinner	DR-700, DR-700L, DR-790	Dilution ratio	▷ No dilution	
Specific gravity	1.07			
Theoretical Coverage	Chip : Binder = 100 : over 15 (lower layer) Chip : Binder = 100 : over 20 (upper layer)	Solid volume ratio	96±3 %	
Color	Clear	Thickness of dried film	15 mm	
Mixing ratio	1-component	Gloss	Semi-gloss	
Shelf life	6 months	Packaging unit	18 kg	

Product Properties (Physical Property Data)

Tensile strength	More than 0.6 N/mm ²	Hardness	shore E 40 ~ 70
Elongation rate	More than 60 %		

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 less2. Moisture content in the concrete: 6% or less
Coating Method	<ol style="list-style-type: none">1. Apply smoothly on the undercoated surface using sawtooth scraper, rubber scraper, pitchfork, roller, etc.2. Use an exclusive stirrer (60rpm or more) and evenly mix elastomer binders and chips for more than 3 minutes.3. After laying, spread it to a certain thickness and arrange the surface with a heating roller (160°C in the summer; 200°C or below in the winter). <p>Appropriate construction specifications</p> <ul style="list-style-type: none">▷ Primer : CLEANTHANE 1000 or DHDC-1100AS or Urethane primer▷ Intermediate coating : TANSUNGTAN CHIP BINDER + chip(urethane, EPDM, waste tire)▷ Top coat(if necessary) : TANSUNGTAN TOP COAT(soft, semihard type) DHDC-3000(S)