

# ECO-TANSUNGTAN SUPER HARD



**ECO-TANSUNGTAN SUPER HARD is two-component solvent-free elastomeric urethane middle coat of MOCA FREE and heavy metal FREE types. It has excellent adhesion, wear resistance and shock resistance. High build films can be obtained in a single coat. It has good leveling and elasticity thus it is suitable for athletics track, parking lots.**

Usage	Athletics track, parking lots etc, Concrete floor covering that requires high hardness and elasticity
-------	---

## Specification

Paint type	Polyurethane resin (Two-Component)			
Drying time	Category	5°C	20°C	30°C
	Set to Touch	8 hours	5 hours	3 hours
	Dry-through	48 hours	24 hours	15 hours
	Over-coat (Min.)	48 hours	24 hours	24 hours
	Over-coat (Max.)	60 hours	48 hours	48 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-790	Dilution ratio	▷ No dilution
Specific gravity	Approx. 1.40	Solid volume ratio	More than 90 % (based on gray color)
Theoretical Coverage	4.2 kg/m <sup>2</sup> (3mm)	Thickness of dried film	2 ~ 3 mm
Color	Gray, green, other ordered colors	Gloss	Glossy
Mixing ratio	Base(A)/Hardener(B)=4/1(Weight ratio)	Packaging unit	20 kg [Base(16 kg), Hardener(4kg)]
Shelf life	6 months (5~35°C Indoor storage)		

## Product Features (Physical Property Data)

Tensile strength	More than 10 N/mm <sup>2</sup>	Hardness	More than Shore A 90
Elongation rate	Approx. 50%		

## How to Use

Surface treatment	<ol style="list-style-type: none"> <li>1. Cure concrete for at least 28 days at a temperature of 21°C and a relative humidity of 50%.</li> <li>2. Completely remove oil, moisture, sand, dust, laitance and foreign substances from the surface and maintain surface smoothness.</li> <li>3. For high-strength concrete (260kg/m<sup>2</sup> or higher), blasting treatment should be carried out.</li> </ol>
Coating Conditions	<ol style="list-style-type: none"> <li>1. Atmosphere Temperature: 5~35°C, Surface Temperature: 40°C or below, Relative Humidity: 80% or less moisture content in the concrete: 6% or less</li> <li>2. During scorching heat in the summer (atmospheric temperature: 28°C or higher; surface temperature: 40°C or higher), please apply after 4 pm when the surface temperature drops.</li> <li>3. Scrape (or front-putty) the concrete surface to a thickness of about 0.5 to 1.0mm to minimize the occurrence of pinholes and bubbles due to pores there. For intermediate coat, apply the scrapping in the first place and then the main coat in two separate runs.</li> <li>4. It is not suitable for places that receive large loads such as forklifts and medium/large trucks.</li> </ol>
Coating Method	<ol style="list-style-type: none"> <li>1. Reinforce cracks, crevices, and joints between walls and floors with the NEW-THANSUNG SEAL.</li> <li>2. Apply smoothly on the undercoated surface using sawtooth scraper, rubber scraper, pitchfork, roller, etc.</li> </ol> <p>Appropriate construction specifications</p> <ul style="list-style-type: none"> <li>▷ Primer : CLEANTHANE 1000</li> <li>▷ Intermediate coating : ECO-TANSUNGTAN VERY HARD</li> <li>▷ Top coat : TANSUNGTAN TOP COAT (HARD, VERY HARD) DHDC-3000(H)</li> </ul>