

Teknomer 640

Cold Applied, Polyurea Coating



Product Description	Cold Applied, Polyurea Coating System, which has a ultimate feature of crack bridging, elasticity, bonding strength and tear resistance that has designed as a waterproofing membrane. This polyurethane consists of two components..
Areas of Usage	<ul style="list-style-type: none">• Terrace, roof, balcony, otoparks and stream gutter• Flower tub insulation.• Foundation wall water insulation.• On reinforced concrete and sheet metal plate.• Hangars, swimming pools, water parks / theme parks, otopark insulation, underground water tanks and the places that need water insulation and coating.
Features and Benefits	<ul style="list-style-type: none">• It has high crack bridge feature.• Keeps its elasticity even at low temperatures..• It provides excellent adhesion and has chemical and mechanical strength.• It provides a seamless application due to its two-component and high flexibility• It shows high resistance to water ponding• It is resistant to salts, bases, diluted acids and diluted sulfates.
Application Instructions	<p>Surface Quality:</p> <p>Surfaces should be clean, smooth, strong, free of any kind of dust, oil, dirt, rust, mold oil, detergent and similar anti-sticking materials. If there is segregation in concrete, defective and loose parts should be discarded and weak parts should be removed. If there is any crack or cavity on the floor or wall, it should be repaired with appropriate TEKNOREP 300 repair mortars. The TEKNOMER 640 application must be started at least 7 days later.</p> <p>Surface Preperation:</p> <p>If there is a dilatation, the dilatation should be isolated using the TEKNOMER PAH TAPS and TEKNOMER 400 D before the application of TEKNOMER 640. The isolation of dilatations is more difficult and cost more when you do it later. All drain around and grooves should be insulated by using filters and Pah Taps (chamfering bands).</p> <p>The surface which will be insulated, must be dry. if there is any ponding or puddle, it should be removed. As a primer, for the concrete surface, the two-component, epoxy-based TEKNOBOND 300, TEKNOBOND 120 or TEKNOBOND 310 should be applied with a brush or a roller between 200 - 400 grams / m2. Liner consumption varies according to the quality and absorbency of the concrete. Before curing the primer, make sure that the cords are hardened. At least 4 hours and maximum 24 hours should be waited for waterproofing. TEKNOMER 640, can be applied on primed surfaces by roller or adjustable towel</p> <p>Cleaning of equipment:</p> <p>Immediately after application, before hardened, the equipment should be cleaned with Tekno Thinner P. After the product is hardened, it should be cleaned by mechanical methods.</p>

**Application Notes/
Restrictions**

- Foreign materials should not be added.
- Shouldn't be applied in a rainy weather while it is raining.
- The product should not be diluted, it is ready to use.
- Newly applied material / place, must be protected against weather conditions.

Technical Data		
General Information		
Chemical Structure	Polyurea Polyuretahane	
Appearance	Grey	
Package	20 kgs sets (10 kgs + 10 kgs)	
Density (kg/lt)	1,25 ±0,05 kg / lt	
Shelf Life	12 months in unopened package in dry environment	
Application Information		
Consumption	1,25±0,05 kg / m² (1 mm Film thickness)	
Viscosity	4500±1500 mPa.s	
Pot Life (min)	> 40 min	
Food Trrafic Oppen Time	~ 48 Hours	
Performance Information		
Adhesion strength to the concrete	> 2 N/mm²	TS EN 4624
Adhesion strength to the metal	> 2 N/mm²	
Tensile strength	> 9 N/mm²	DIN 53504
Breaking strain	>% 800	DIN 53504
Humidity tolerance	%5	
Soil temperature of the surface	-5°C/+40°C	
Servcie Temperature	-40°C/+120°C	

*All these technical data are approximate values that are obtained from the laboratory study of Tekno Construction Chemicals for finished products obtained at +20 (±2) air temperature and %50 relative humidity and valid for its performance after 28 days.