

# Teknobond 500 P

## Self Levelling Polyurethane Coating



CE TS EN 1504-2

<b>Product Description</b>	Hygienic, two component polyurethane based floor covering material with solvent-free, self-levelling, high elastic and mechanical strength.
<b>Areas of Usage</b>	<ul style="list-style-type: none"><li>• Factories, cold storage depot, warehouses, refrigerated vehicle bodies.</li><li>• On EPDM plate in shopping centers, workshops, air plane sheds, schools, indoor sports facilities, and hospitals, pharmaceutical industry, food sector, laboratories,</li><li>• Can be applied in parking areas and the areas with heavy forklift traffic</li></ul>
<b>Features and Benefits</b>	<ul style="list-style-type: none"><li>• Abrasion and friction resistant,</li><li>• Elastic structure</li><li>• Creates a joint less surface</li><li>• Easy to clean, hygienic, does not require long maintenance,</li><li>• Easy applicable,</li><li>• Solvent-free.</li></ul>
<b>Application Instructions</b>	<p>Surface Quality: Weak areas of the surfaces should be cleaned sandpaper, milling cutter and sand blasting. If the surface is too bright, it should be roughened by milling cutter or sandblasting and the specific surface should be cleaned. If there is oil on the surface, it should be burned.</p> <p>Surface Preparation: Cleaned surfaces should be applied an undercoat with TEKNOBOND 300. Teknobond 500 P application is made at the latest 24 hours after the priming coat application. Teknobond 500 P should be applied with trowel to obtain a smooth surface. After then, gas bubbles are removed with a spikedroller.</p> <p>Compound: After the component B is added to the component A, mix for 2-3 minutes with a low-speed, electrical mixer (maximum 400 revolution per minute) until a homogenous color is obtained.</p>
<b>Application Notes / Restrictions</b>	<ul style="list-style-type: none"><li>• Make sure that TEKNOBOND 500 P covers a continuous, non-porous surface. If necessary, apply TEKNOBOND 300 priming coat application twice. TEKNOBOND 500 P is applied with notched trowel.</li><li>• In order to complete the hardening of the material, do not use it allowed minimum temperature. Low temperatures will slow down the hardening, while high temperatures will accelerate the hardening. The pot life will also vary depending on the temperature.</li><li>• The product may irritate the skin. Protective glasses or gloves should be used. Protective hand cream should be used before starting work. If the soil mixture contacts with eyes, eyes should be washed immediately with warm water, and consult doctor.</li><li>• Crystallization can be shown in the product if it is kept below 0°C for a long time. If the crystals are broken by bringing the product back to room temperature, the product can be used without any problem. Discoloration and yellowing can be happened in the product which hardened depending on direct sunlight. After application, the product should be protected against direct sunlight, strong wind, high air temperature (above +35°C),</li><li>• bad weather conditions such as rain and freeze. In order to complete the hardening and reaction shortly after the application, the areas that contacts with skin should be cleaned with water and detergent.</li><li>• Immediately after the application, equipment should be cleaned with TeknoThinner .</li></ul>

## Technical Data

General Information	
Chemical Structure	2K Polyurethane based
Density	1,50 ± 0,05 kg/lt (TS-EN ISO 2811-1)
Package	Set of 20 kilograms
Consumption	1.4 kg for 1mm thickness
Shelf Life	12 months in unopened original package
Pot Life	~30 minutes
Application Information	
Shore A Hardness (7 days / 25°C)	70-75 (ASTM D 2240) (DIN 53505)
Application Thinner	Cannot be make thin
Mixture Proportion	4 Unit Component A; 1 Unit Component B (by weight)
Mixture Life	30-40 minutes for 200 gr. (DIN 16945)
Performance Information	
Pull-of Strength	5 N/mm <sup>2</sup> (TS 1967)
Abrasive Strength (Taber)	150 mg (TS 8103 EN ISO 5470-1)
Dust Drying	1 hour or 2 hours (TS 4317)
Touch Drying	5-7 hours (TS 4317)
Through-Dry	7 days (TS 4317)
The Class of Reaction to Fire	Efl

Technical information is approximate value obtained from the Tekno Construction Chemicals Laboratory works and are valid for the performance of the finished product in 27 days, which are obtained at +20 °C temperature and 50% relative air humidity rate.

