Teknobond 500 P Flex

2K Polyurethane Based Waterproofing Material



Product Description	It is a two component, solvent free, polyurethane based waterproofing material that maintains its continuous elastic structure.		
Areas of Usage	 In terrace, roof, balcony and creek, In flowerpot insulation, In foundation and curtain water insulation, It can be used safely on reinforced concrete and sheet metal. 		
Features and Benefits	 Creates a crack bridge. Maintains high elasticity even at low temperatures. Easy to apply (by roller, brush or spray). It provides excellent adhesion even on difficult surfaces. It shows high resistance to the smiley water pass. It is resistant to salts, bases, diluted acids and dilute sulphates. 		
Application Instructions	 It is resistant to saits, bases, diluted acids and dilute supprates. Surface Quality: The surfaces must be clean, smooth, solid, free from any antiadhesive substance such as dust, oil, dirt, rust, mold oil, detergent and waste. If there is segregation in concrete, it should be discarded and loose parts should be removed, weak parts should be removed. If there is crack, hollow on the floor or wall to be applied, it should be repaired with appropriate TEKNOREP repair mortars. TEKNOBOND 500 P Flex should be applied at least 7 days later. Surface Preparation: If there is dilatation of the structure before applying TEKNOBOND 500 P Flex, it is firstly necessary to isolate the dilatation using TEKNOMER Champer Tapes and TEKNOMER 400D. Later isolation of dilatations is more difficult and costly. All overheads and grooves, straps must be insulated using beveled bands. The surface to be insulated must be dry. Water puddles should be removed if there is pond watering. The concrete should be applied as a primer with a two component, epoxy-based TEKNOBOND 300 brush or roller in the range of 200 - 400 grams / m². Primer consumption varies according to the quality and absorption of the concrete. Make sure that the primer is absolutely hardened before it is fully cured. It should be waited for at least 4 hours and at most 48 hours for the water insulation to be done on it. Mixing: Mix TEKNOBOND 500 P Flex with A compound in a clean container or its own container which is free from any kind of material that prevents adhesion and B Component is added on it. The product is mixed with a low speed mixer until a homogeneous mixture without lumps is obtained. Mixing time should be minimum 3 min. The mixture is applied to the surface with finished, ready to use product, hard bristle brush or spraying machine. After the material completes the reaction, 2. coat application is made in the perpendicular direction of the first coat application. The waiting time between coats is at least		



	Cleaning: It must be protected after application against adverse weather conditions such as direct sunlight, high air temperature (above +35°C), rain and frost. The product should be cleaned thoroughly with water and detergent before it is fully cured and hardened. Cleaning of Equipment: Immediately after application, the equipment should be cleaned with TEKNO Thinner before it hardens. After the product is hardened, it should be cleaned by mechanical methods.		
Application Notes / Restrictions	 Foreign materials should not be added. Should be applied in two coats. It should not be applied in the rain. The product should not be diluted with water. Newly applied material is finished to cure, etc. until rain. it must be protected against weather conditions. 		
Technical Data			
General Information			
Appearance/Color		White, Cream	
Storage Conditions / Shelf Life		12 months in unopened package in dry environment	
Package		20 kg set (16 kg + 4 kg)	
Density (kg/lt)		A+B 1.50 ± 0.05	
Application Information	n		
Last Resistance Period		7 days	
Consumption		1,4 - 1,5 kg/m² (For 1 mm Film Thickness)	
Pot Life		~ 35 min	
Waiting Time Between Coats		5 hours	
Walking on		24 - 36 hours	
Performance Informati	on		
Concrete Adhesion Strength		≥ 2,0 N/mm ² (TS EN 4624)	
Adhesion Strength to Metal		> 1.5 N/mm ²	
Tensile Strength		≥ 2,0 N/mm ² DIN 53504	
Breaking Elongation		>150 DIN 5350	
Humidity Tolerance		45%	

Technical data are approximate values obtained from the laboratory study of Tekno Construction Chemicals for finished products obtained at +20°C air temperature and 50% relative air humidity and valid for its performance after 27 days.