

Teknobond 940

Fast Curing MMA Based Grout



Product Description MMA based, two component (in hardener and special grade powder component), mortar for flooring, fast anchorage and quick repair purpose.

Areas of Usage

- It's used in all kinds of military areas,
- In airports (runway, apron) and ports,
- Anchors and fillings on the floor of track fittings and electric cables,
- Direction and traffic signs, city furniture, etc. quick assembly of materials,
- Anchorage to the floor of the machine feet and ironstones,
- In all kinds of industrial fields, workshops and warehouses,
- In urban and non-urban roads, bridges, viaducts, pedestrian paths, landscaping,
- In parking lots,
- In all historical works (mosque, church, castle, column, temple, sculpture, etc.)
- In houses, mansions, apartments,
- In prefabricated buildings,
- In health facilities, hospitals,
- On surfaces as concrete, brick, mosaic, surface hardener.
- For the repair of dangerous and damaging pits and cracks in the grounds quickly and without disruption of traffic.
- It's used as minimum 5 mm. in thickness mortar type coating material on grounds with heavy-duty traffic or excessive chemical substances (various acids, etc.)

Features and Benefits

- MMA based, two components.
- Adhesion on the surface is very high.
- It works with the surface thanks to its thermoplastic elasticity.
- It has a rapid drying time (after 1 hour from the end of application, it will dry with full strength).
- It's flexible, adapts to the expansion of the applied surface due to traffic and atmospheric conditions.
- Compatible with weather changes.
- It can be applied in desired thickness. (However, after waiting for 15-20 minutes, the other layers are applied in the same way per 5cm.)
- The material can be made flexible according to the ambient conditions and the properties of the floor.
- It is very long-lasting and durable.
- Its application is very easy.
- It is 100% resistant to atmospheric conditions.
- Before applying, request technical support for ground conditions.

Application Instructions

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. The concrete floor should not have water accumulation, humidity and humidity. It should be a dry floor and the concrete surface moisture should be below 4%.

Surface Preparation: High pressure water should be prepared by cleaning with suitable mechanical surface preparation techniques such as jetting, vacuum, roughening, sandblasting. Pour component B into component A. Mix with a low speed electric stirrer until the mixture reaches a completely homogeneous appearance. Then pour the mixture into a suitable container. Continue mixing for at least 3 minutes until a homogeneous and smooth mortar is obtained.

In the pits and crack repairs that occur in the roof, the broken areas must be cleaned up to a certain extent. The floor must be cleaned from dust with a compressor. After applying TEKNOBOND 910 Primer, application of TEKNOBOND 940 should be started.

The prepared mixture should be placed in 5 minutes depending on the air temperature and the amount of water. TEKNOBOND 940 should be poured from one side in order to fill under the gaps surrounded by four sides and covered.

Application Notes / Restrictions

- During the application of the product, work clothes suitable for occupational health and safety rules should be worn and appropriate glasses and mask should be used.
- It should not be forgotten that the strength and adhesion values of the product will change if the mixing ratios are changed.
- So it discharges air and prevents gaps. It can be pushed from one side with a long piece of iron during casting to speed up flow.
- Hands and areas of contact with the skin and hands should be cleaned with water before the product is completely cured and hardened. In case of contact with eyes, wash eyes with warm water and detergent then a doctor should be consulted.
- Immediately after application, before hardened, the equipment should be cleaned with TEKNOTHINNER. After the product is hardened, it should be cleaned by mechanical methods.

Technical Data

General Information		
Appearance	A + B Component Light grey, liquid.1	
Shelf Life	2 months in unopened package in dry environment	
Package	29 kg set (25 kg kraft bag, 4 kg resin)	
Mixture Density	2,10 + 0,10 kg/lt	
Application Information		
Application Temperature	(+5°C) - (+50°C)	
Consumption - for 5 mm	10,0 kg/m²	
Pot Life	15-20 min.	
Time to Put into Service	1 Hour	
Performance Information		
Compressive Strength	>75 N/mm²	(TS EN 196-1)
Flexural Strength	>25 N/mm²	(TS EN 196-1)
Modulus of Elasticity	4350 N/mm²	(TS EN 1542)
Ball Pressure Strength	45-50 N/mm²	
Temperature Resistance	(-30°C) - (+80°C)	
Concrete Adhesion	>3,0 N/mm² (Failure from Concrete)	
Hazardous Substances (EN 12004)	See the safety data sheet.	

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 28 days.

