

Technical Data

Boydur® P12

TWO COMPONENTS, SELF LEVELING, OIL AND JET- FUEL RESISTANT, POLYURETHANE / TAR JOINT SEALER:

Description:

Two components, cold applied, pourable sealer, based on polyurethane polymers and coal tar. After mixing, cures to form a tough resilient sealant for horizontal joints. It is suited for inside and outside areas.

Special Features and Advantages:

- Two components, Polyurethane based, solvent free,
- Indoor and outdoor application,
- Easy to apply, extremely flexible,
- Good temporary resistance to a wide variety of solutions and fuel, jet fuel and oil,
- Excellent adhesion to common surfaces,
- Performs well over a broad temperature range,
- Good temporary resistance to a wide variety of solutions and fuel, jet fuel and oil,
- Resistant to microorganisms.
- Approval:TS 5926 DIN EN 14188-2 , American Federal Specification TT-S-0022E,Type1 ,Class A-British Standart 5212,ASTM C-920,TypeM,GradeP,Class 25,use **T.NT.M.G.A.O.I**

Where to Use:Boydur® P12 provides the water insulation between the concrete elements. It is a cold applied sealant, which is resistant to jet fuel, fuel and motor fuel oils and used in the related fields such as:

- Runways, parking bays and garages at airports,
- Flooring and connection joints for over ground fuel storage depots and loading bays for fuel oil and motor fuel oils,
- Garage floors and car washing bays,
- Underground garages,
- Car parks (where elastic or plastic insulation exists),
- Connection joints of bituminous coverings to concrete coverings and concrete objects, Cracks on the asphalt and concrete roads.

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Technical Features:

Type: Liquid, Polyurethane and if necessary Tar added

Color: Black, Grey, and White

Density: 1, 40 kg/lt.

Pot Life: Depends on temperature app. 1 hour at +20oC

Hardness: 5-40 (app) Shore A ±5 (ASTM D-2240)

Service Temperature: -40 °C/+75 °C, Ambient and Substrate

Temperature: +5 °C/+40 °C

Elongation: App. ~ 600-700% (at break) (ASTM D-412)

Tensile Strength: 180 psi (at +20°C)(at break) (ASTMD-412)

Tear Strength: 100lb/in (ASTM D-624)

Curing Rate: Depends on temperature app

6-8 hours for Tack-free time. Final cure 2-3 days. (ASTM C-679)

Shelf Life: 12 months from date of production in good condition container.

Condition of the storage area must be dry and protected from frost, UV. Ideal temperature for storage should be between 5 °C -35 °C

Packages: 10 Kg. Primer: 5 kg.

Joint Dimensions: Min. Joint depth: 10mm, Max. Joint depth: 30mm

Width / depth ratio: **Expansion:** 1:1 to 1:5, Connection: 1:1 to 1:2

P.S: Boydur® P12 bearing traffic load should be 2-3 mm below the surface level.

Application:

Surface Preparation: All surfaces must be clean, dry and free from all loosely adhering particles. Correct joints depths can be established by inserting polyethylene foam tightly into the joint. Where joints have been formed with the fiber filler board, this must be raked back to the required depth and a bond breaker tape inserted. Protect surfaces with masking tape.

Priming: Use Boydur® P12 Primer, for all cement bound building materials, exposed brickwork, asbestos cement, natural and artificial stonework, polyester and hard PVC.

Mixing: Using a low speed drill (500-800 rpm) thoroughly mix the contents of component A, before adding component B. After adding, mixing together for not less than 3 min. until a smooth even consistency is achieved.

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Application: Using a plastic watering can, pour the mixed sealant into the prepared joint. Remove masking tape within 30 minutes.

Attention:

- Protect against exposure to oil for 1 week and against water for 10 hours, after pouring.
- Do not use for expansion joints in bituminous coverings.
- Max. Slope: 3%. Not suitable in contact with drinking water.
- Please consult our technical department for advice on chemical resistance.

The information of this technical data has priority of the product and product application.
Our company has the right to change the technical data according to findings of our research and development department.
After a new version of technical data, the old version lost the validity.
If we don't supervise the application, we give only quality guarantee.