

Poxy Floor SB 200



We Create Better Future

Solvented Epoxy Floor Coating

Description:

Poxy Floor SB 200 is a two components solvented epoxy coating system consisting of a base resin, and hardener. It is suitable for chemical protection coverings of industrial pavements, reinforced concrete and metallic structures. Adheres perfectly to a variety of supports like: concrete, metal, wood, stoneware, etc. Once cured, the product transforms to an anti-dust, chemical resistant continuous membrane. The applied coating is characterized excellent abrasive resistance and mechanical strength.

Uses:

- Dry food plants
- AGV tracks
- Pharmaceutical industries
- Manufacturing plants
- Warehouses
- Showrooms
- Auto/Truck repair bays
- Laboratories
- Hospital

Advantages:

- Excellent resistance to a wide range of chemicals
- High mechanical strength, with excellent abrasion resistance
- Bonds tenaciously to become an integral part of the floor.
- Easy application and easy to maintain
- Excellent chemical resistance.
- Excellent durability and impact resistance.
- It is suitable for the preparation and decoration of Interior floors
Available in wide range of colors
- Recommended for internal use only

Surface Preparation and Application Procedure

- Surface Preparation of the substrate
- Priming of the substrate
- Laying epoxy floor topping

Surface Preparation of the Substrate

The Concrete should be at least 28 days old and shall be free from any contaminants such as oil, grease, curing membrane, etc. This can be achieved by mechanical means such as mechanical scarifier, shot / sand blaster, etc. If the substrate is acid etched it should be thoroughly and the pot holes shall be levelled with Poxyputty 500 to achieve an even surface.

Note

If the moisture content of the concrete is more than 5% or if raise in dampness is observed, the technical department of BuilChem can be contacted.

Priming

The prepared substrate shall be primed with Poxypri Clear 400 before applying Poxyp Floor SB 200

Where the substrate is observed to be porous, it shall be primed again and puddling of the primer shall be avoided. The primer shall be allowed to dry, tack free, before laying Poxyp Floor SB 200

Note: Application of Poxyp Floor SB 200 shall not be delayed more than 24 hours after priming the substrate.

Do not use without a primer.

Laying of Epoxy Floor Mixing

Poxyp Floor SB 200 comprises two components, base resin and hardener. The hardener shall be poured into the base resin in the mixing vessel and shall be mixed thoroughly for 2 minutes using heavy duty slow speed drilling machine fitted with paddle.

The areas to be laid shall be marked for every 1/2 packs to achieve a uniform thickness as recommended. For large areas planning of laying sequences is essential. For more information, please contact BuilChem technical department.

Laying

Continuous placement of an adequate quantity of material is necessary to provide the most uniform and level surface. Start in one corner and place a continuous stream of materials along one edge of the area and back up the first placement strip as soon as possible to achieve a uniform, level surface. A serrated trowel shall be used to spread the material evenly to achieve the required thickness. Wait few minutes to disperse any entrapped air and to further level the material. Light rolling may then be required if air release is still apparent in the surface. The rolling can be continued until the roller marks take two minutes to disappear.

Engineering Data

Pot life - 10°C – 13 Hours
23°C – 8 Hours
35°C – 3 Hours

Mix Ratio-8:2 by volume (Resin : Hardener)
Solid Content- 60%
Dry Temperature - 60°C
Resistance - 80°C

Physical Properties (As per BS

6319) Compressive Strength - 50 N/mm²
Flexural Strength - 35 N/mm²
Tensile Strength - 17 N/mm²

BUILDING CHEMICALS COMPANY FOR INDUSTRY

Tel.: +966 11 462 2777, Fax. +966 11 293 0393, P.O. Box 8037

Riyadh 12313 KSA Info@builchem.com, www.builchem.com

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Equipment / Tools

Shot / Sand blaster, Scabbler, Grinder, Masking tape, Trowel, heavy duty slow speed drilling machine fitted with suitable mixing paddle, Spiked Roller, Spiked Shoes, Brushes, etc.

Shelf Life

In unopened packs of POXY FLOOR SB 200 has a life of 12 months when stored below 35°C

Coverage:

5-6 m² at 2mm thickness

Packaging:

The product supplied in 15 Kg & 24 Kg Kit

Color : Grey (RAL 7040), Yellow

Curing Schedule:

Tack Free – 12 Hours.

Light Traffic – 24 Hours.

Full Cure – 7 Days.

Health and Safety:

Keep the product away from sources of ignition. Containers should be tightly sealed when not in use.

- In the event of fire, extinguish with Carbon Di Oxide or foam type extinguisher.
- During application, wear appropriate protective clothing, goggles and respiratory equipment.
- Avoid contact with skin, eyes and inhalation of vapor.
- Ensure proper ventilation at working place.
- In case of contact with skin, rinse with water and again wash thoroughly with soap and water.
- In case of contact with eyes, rinse with plenty of water and seek medical advice accordingly.
- In ingested, do not induce vomiting. Seek medical attention immediately. Please refer to the product safety data sheet for details.

Important Note:

The information contained herein is to the best of our knowledge true and accurate and is given in good faith, based on practical experience and applied testing Site or application – specific conditions may vary from those described here and thus the correct and successful use of the product is beyond our sphere of influence. If in doubt, the user should therefore first carry out sufficient tests to ensure the product is suitable. Legal liability cannot be accepted, either solely based on the content of this information sheet or any verbal advice given.

All **BuilChem** datasheets are updated on regular basis. It is the user's responsibility to obtain the latest version.

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