

MIXPRIME PU

Penetrative polyurethane primer

Mixprime PU is specially formulated polyurethane transparent; single component low viscosity primer, mainly used as a primer for polyurethane water proofing, flooring and joint sealants. With high adhesion to substrate like concrete, light weight concrete, wooden and masonry surface. It can also be used as a protection film against oil or greasy liquid.

Appropriation

Used as a primer for all polyurethane system

Characteristics

Easy to apply- brush / roller
Suitable for all concrete and masonry surface
Excellent adhesion to steel and concrete

Technical Data & Properties

Composition: Polyurethane pre-polymer
Colour: Transparent
Density@25°C: 1.1 (ASTM D1475)
Adhesion to concrete: 2.8MPa (ASTM D903)
Water absorption: <0.2%
Solid content: 50%
Pot life: 30 minutes @250C
Resistance to water pressure: No leak at 7bar (DIN 1048)
Hardness (shore A scale): >95 (ASTM D2240)
Chemicals resistance: Diesel oil, xylene, ammonia 10%, hydraulic acid 10%, sea water, sodium hydroxide 20%
Application temperature: +5°C - +35°C

Product Management

Surface preparation: The surface to be coated must be clean and dry. Remove weld spatter, smooth weld seams and sharp edges of the surface to be coated. Oil and grease should be removed. Steel corrosion must be removed from the reinforcement before bonding by applying Mixguard RP – rust remover / converter. Moisture content should not exceed 5%. New concrete should be at least 28 days old.

Old coatings and curing agents should be removed by a grinding machine. Laitance on the surface of smooth flooring must also removed prior application.

Method of application: Apply the primer by roller, brush or spray gun. Keep an interval of 3 to 4 hours to apply the subsequent system, the time should not exceed 4 hours in between primer and subsequent applications.

Coverage:

The consumption depends on absorbency of the substrate. Normal consumption is @0.2kg / m² for concrete substrate

Packing & Storage

Mixprime PU is available in 1ltr and 5 ltr containers. Mixprime PU should be stored in cool, dry and shaded warehouses. Shelf life is 12 months when stored under cover, out of direct sunlight, protected from extreme temperatures and as per recommendations. In extreme tropical climate, the product must be stored in cooled ambience. Excessive humidity and over exposure to UV will result in the reduction of shelf life.

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Health & Safety

Mixcoat CP contains no hazardous substances. As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles shall be worn whilst handling. Wearing long sleeve overall, safety shoes and face mask is recommended for maximum safety. Reseal all containers after use and ensure product is stored as instructed on the safety section of the labeling. Treat any contact to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. For more details, please refer to the MSDS released on each Fab product

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THE CONSTRUCTION CHEMIST

Technical information given in this datasheet is true and exact to the best of our knowledge, laboratory upshot and hands-on application. The datasheets of all products are revised/updated regularly and hence ensure that the latest release is used for reference and recommendation. The date of the publishing is as in this sheet. All data are mean of numerous tests, assessment and analysis conducted under laboratory ambience. Climatic disparity in temperature, humidity, etc. and porosity of substrate may impinge on the values.

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