BET10® PRIMER EPOXY 2K

Epoxy Resin Based, Transparent Primer
Product Technical Data Sheet

GENERAL FEATURES

DESCRIPTION
Epoxy resin-based, two-component, solvent-free, low-viscosity transparent primer material.

FIELDS OF APPLICATION
- Used as a primer before epoxy and polyurethane floor coatings,
- As a primer for polyurethane insulation products,
- As a primer before polyurea application,
- As a primer before polyurethane foam application,
- As a binder in leveling, repairing, and correction processes, Used as a binder in the repair of large cracks and in patching when mixed with silica sand or different fillers.

ADVANTAGES
- It has low viscosity.
- It is solvent-free.
- It is easy to use.
- It has high wetting and spreading capability.
- It can be used on all concrete surfaces.

APPLICATIONS
The primer mixture, ready for application, is applied to cover all surfaces and pores with a brush, roller, or airless spray. The mixture should be consumed quickly, taking into account its pot life. The interval between coats is crucial for the durability of the coating to be applied. Full curing is achieved in 7 days, providing mechanical and chemical resistance.
The tools and equipment used should be cleaned as soon as possible. Rollers are for single use and should not be reused.

APPLICATION

SURFACE PREPARATION
The surfaces to be coated must be sound. The surface compressive strength should be at least 25 N/mm², and it should have a minimum adhesion strength of 1.5 N/mm² for adhesion testing. Factors that may affect adhesion performance, such as loose, detached, or moving concrete particles, oil and paint residues, and cement slurry residues, should be removed from the surface. Additionally, the surfaces to be applied should be properly roughened and cleaned with suitable tools and machinery. Surfaces subjected to grinding should be completely free of dust using industrial-type machines. Dust remaining in surface pores can affect product performance and result in holes in the coating. For surfaces in contact with soil, prior water and vapor barrier insulation should be applied.

CONSUMPTION
The consumption or usage is 1 - 1.5 kg/m². When it is intended to be used as a primer material for floor coating and waterproofing applications on smoothed and even surfaces, the consumption is 0.3 - 0.5 kg/m². When intended for use as a leveling compound, a mixture of 1 part of the material to 1 part of 0.1 - 0.3 mm quartz sand is recommended, depending on the application temperature and substrate conditions. The consumption is 0.5 - 0.8 kg/m² in this case. If it is desired to use it as a binder for epoxy mortar, a mixture of 1 part of the material to 3 parts of 0.1 - 0.6 mm quartz sand is recommended.

PACKAGING
Bet10® Primer Epoxy 2K A : 12 KG
Bet10® Primer Epoxy 2K B : 6 KG

SHELF LIFE
When stored in accordance with the storage conditions;
BET10® Primer Epoxy 2K A : 12 months
BET10® Primer Epoxy 2K B : 12 months

TECHNICAL DATA

The Physical and Chemical Properties of Components	Test Method	BET10® Primer Epoxy 2K Component A	BET10® Primer Epoxy 2K Component B
Density (g/cm³) 25 °C	DIN 51757	1,05±0,05	1,05±0,05
Viscosity (mPa.s) 25 °C	ASTM D 4878	900±300	800±300
Appearance	Internal Method	Transparent	Red

Component Ratios	By Weight	100	40

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Properties	Unit	Value
Mixture Pot Life	min	75-85
Mixture Pot Life	min	30-35
Intercoat Waiting Time	h	8-12
Transition to Light Use	h	12-24
Full Curing Time	day	7
Adhesion Strength (to Concrete Surface) ASTM D 4541	MPa	2,2-2,4
Hardness ASTM D 2240	Shore D	80-85

IMPORTANT NOTES

STORAGE

It should be stored in its original unopened containers in a dry and cool place at temperatures between 5-25 °C. Legal requirements for storage should be adhered to.

SAFETY PRECAUTIONS

When using this product, standard precautions for handling chemicals should be taken into account. After work or during breaks, hands should be washed thoroughly with plenty of water, and eating, drinking, and smoking should be avoided. Specific safety information regarding the use and transport of this product can be found in the Material Safety Data Sheet. For complete information on health and safety matters, refer to the relevant Health and Safety Information Document. This product and its packaging should be disposed of in accordance with applicable local laws. This responsibility rests with the end user of the product.

DISCLAIMER

The data presented in this technical document is based on our scientific and practical knowledge. Bet10® Protection Systems Consulting and Construction Industry and Trade Ltd. is solely responsible for the quality of the product. Bet10® Protection Systems Consulting and Construction Industry and Trade Ltd. cannot be held responsible for any consequences arising from uses of the product that are outside of the written recommendations regarding where and how the product should be used and/or from incorrect use. This technical document is valid until a new edition is printed and renders previous editions invalid.

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