

Kratos Prime Resin

Technical Data Sheet



DEFINITION

Kratos Prime Resin is a two-component epoxy-based lamination resin specially produced for Kratos C-Fabric.

APPLICATION AREAS

Kratos Prime Resin is used in structural elements to be reinforced with Kratos C-Fabric, for bonding Kratos C-Fabric to the surfaces of building elements.

FEATURES & BENEFITS

- Easy to mix, easy to apply with a saturating roller.
- For hand lay-up impregnation (saturation).
- Applied on vertical and overhead surfaces.
- Provides good adherence to many surfaces.
- Has high mechanical properties.
- Solvent-free.

KRATOS PRIME RESIN TECHNICAL SPECIFICATIONS

Property	Value
Open Waiting Time	60±20 minute
Workable Life	40-80 minute
Modulus of Elasticity in Compression	≥2000 N/mm ²
Shear Strength	≥12 N/mm ²
Adhesion	≥14 N/mm ²

APPLICATION DETAILS

Surface Preparation: The application surface must be dry and free from all kinds of dust, dirt, weak and loose particles, cement grout residues, oil, and grease. The concrete surface must be clean, durable, and of sufficient strength.

Plaster and paint on the application surface, if any, must be removed. Weak concrete pieces, if any, on the application surface must be removed and repaired with high-strength repair mortar and restored. The application surface must be cleaned using various methods such as holding compressed air, etc. to provide the highest adhesion strength. Corners of elements such as columns and beams must be chamfered and rounded at least 30 mm (1.18 inch).

Ambient Temperature: Minimum +10°C (50°F) and maximum +30°C (86°F)

Tool Cleaning: All tools should be cleaned with solvent immediately after use.

Application: Component A is first mixed in its own package with an electric mixer. The contents of container B are added to container A and mixing is continued until the two components form a homogeneous mixture. Mixing time must be between 2 and 3 minutes. Since high speed mixers will cause air bubbles to form in the mixture, the speed of the mixer should not exceed 300 - 400 rpm.

Warnings: The product should not be mixed with any other foreign substance.

Consumption: On concrete surfaces, depending on the surface, Kratos Prime Resin is applied with a consumption of 1,5-2 kg/m² (0,31-0,41 lb/ft²), including the first layer. The material is then impregnated with Kratos Prime Resin using a rough roller. The consumption in the layers following the first layer is around 0,6-0,9 kg/m² (0,12-0,18 lb/ft²).

MIXTURE RATIO

	A	B
By Weight	3	1

SHELF LIFE & STORAGE

It must be stored at a temperature of minimum +10°C (+50°F) and maximum +30°C (+86°F), in a dry and protected area. Shelf life is 12 months from the date of manufacture in its original unopened package if stored under the described storage conditions. The physical and application properties of the material will change if stored in inappropriate conditions. Before starting the application, do not forget to bring the material to the properties it should have by heating or cooling it.

PACKAGING

Components A and B are available in 2 separate packages. Kratos Prime Resin: A component 12 kg and B component 4 kg can be packaged or Kratos Prime Resin: A component 3 kg and B component 1 kg can be packaged.

SAFETY INSTRUCTIONS

Be sure to read and understand each product's own material safety sheet before using the products.

LEGAL DISCLAIMER

The recommendations regarding the use of Kratos Prime Resin product presented by Kordsa Teknik Tekstil A.Ş. under the document are only recommendations and may vary according to the customer's purpose of using the product and technical data. Since the customer has the expertise and knowledge regarding the intended use of the product and the products made from the product in question, regardless of whether the product is used alone or with other materials, the customer undertakes all the risks and responsibilities arising from the use of the product. Kordsa Teknik Tekstil A.Ş. expressly declares that it is not liable for any loss and / or expense that may arise in the eye of the customer, regardless of whether it is used in accordance with the usage recommendation offered to the customer.

