

ZEEPSON FRP 2K

PRODUCT DESCRIPTION

ISOWEIR ZEEPSON FRP 2K is an amine curing, epoxy resin based adhesive that provides bonding of different types of materials with tixotropic properties and superior resistance against physical and chemical factors.

AREAS OF USE

It is used for the application of carbon fiber fabrics using the dry application method. It is used for bonding and impregnation (saturation) on vertical surfaces by dry application method.

APPLICATION

Surface Preparation: On concrete surfaces, the entire surface should be cleaned of dust, dirt and free particles by mechanical means. Sa 2.5 sand blasting should be applied to corroded column iron reinforcements. An oxidation protector (ISOWEIR U-Pox Shop Primer) is applied on the rust-free iron reinforcement. Deep pits and cracks should be filled by adding micro polymer primer material into the fiber mortar in the amount of water to be used in order to provide optical unity. All sharp edges of the surfaces should be chamfered.

Product Preparation and Application: The mixing ratio should be 16 kg of Component A and 4 kg of Component B by weight. Component A should be mixed with a low speed mixer until homogenized. Component B should then be added to component A and the mixture should be mixed at about 100 rpm for at least 2 minutes. As the amount of contents you are mixing increases, you may need to



increase your mixing time or mixing speed. As soon as you start mixing, there will be a cloudy appearance in the system at first, and as the mixing continues, it will start to become transparent again. Scrape the finished mixture into another clean container and mix again. To minimize air entrainment (to avoid bubbles), mixing should not be done for too long and at high speed.

Points to be Considered: Eyes should be protected during the application. It is recommended to wear gloves. In case of skin contact, wash thoroughly with plenty of water and soap. In case of contact with eyes, consult a doctor. All work tools should be cleaned with ISOWEIR TNER immediately after application.

FEATURES, ADVANTAGES

- ◆ It is applied on vertical and horizontal ceiling surfaces.
- ◆ Adhesion (two different materials sticking to each other) is high.
- ◆ It has a high moisture tolerance.
- ◆ It is solvent free.
- ◆ It is resistant against physical and chemical factors.

HEALTH AND SAFETY INFORMATION

- ◆ Please consider the hazard and precautionary statements indicated on the product packaging.
- ◆ Follow the guidelines specified in the product's safety data sheet.
- ◆ In case of unexpected health issues, consult the nearest healthcare facility.



TECHNICAL SPECIFICATIONS

Color	Ral 7047
Gloss	Matte
Appearance	-
Density (20 °C)	1,35 – 1,40 gr/cm ³ Thixotropic
Mixing Ratio (% Weight)	Component A: 80% Component B: 20%
Dry Film Thickness	260 microns
Wet Film Thickness	300 microns
Solid Matter (% Weight)	%100
Elongation at Break	0,90 %
Tensile Strength	30 N/mm ² (after 16 hours) 50 N/mm ² (after 7 days)
Elasticity Module	~4500 N/mm ²
Tensile Adhesion Strength	>4 N/mm ²
Heat Strength (°C)	150°C
Application Temperature (°C)	10 °C – 35 °C
Application Apparatus	Brush, roller, steel spreading tool (trowel)
Thinning Rate	None
Mixture Life (20 °C)	40 minutes
Amount of Use m ² /kg	1,400 – 1,500 kg (double coat)
Drying Time (20 °C)	Initial Curing: 24 hours Second coat: 72 hours Curing Period: 7 days
Packaging	Component A: 16 kg - Component B: 4 kg Component A: 8 kg - Component B: 2 kg Component A: 4 kg - Component B: 1 kg Tin bucket
Storage Temperature	It should be stored in a place not exposed to direct sunlight, protected from frost, in closed packaging at 5 °C – 35 °C.
Storage Duration	1 Year
Quality Certificate	ISO 9001 – CE

