

### PRODUCT DEFINITION

Twin component, solvent free epoxy resin based carbon plate adhesive developed for thixotropic dry application method.

### AREAS OF USE

It is used for bonding and saturating carbon fiber reinforcement plates, especially with vertical dry application method.

### PRODUCT SPECIFICATIONS

Color	Colorless
Appearance	Matte
Solid Matter by Weight, %	100
Density	1,80 g/cm <sup>3</sup>
Packaging	3 kg A component + 3 kg B component = Total 6 kg
Mixture Rate	1 / 1
Application Methods	Spatula, Trowel
Mixture Life	30 minutes / 25 °C
Shelf Life	1 year
Waiting Time Between Coats	12 hours / 25°C
Drying Time	12 hours / 25°C
Bending Strength	at 20°C min. 30 N/mm <sup>2</sup> (10 Days)
Flexibility Module	4'300 N/mm <sup>2</sup>
Adhesion Strength (Rupture from Concrete)	3,8-4 N/mm <sup>2</sup> (10 Days)

### SURFACE PREPARATION

Surface must completely be cleaned of free particles and paint residues; fractures and cracks must be repaired; surfaces must be roughened and cleaned of dust, oil and dirt and steel surfaces must be cleaned of rust with vacuum sweeper; anchorage holes must be cleaned with pressurized air while planting dowels.

### MIXTURE PREPARATION

Being careful with the mixture ratios of A and B components, it must be mixed for at least 3-4 minutes with a spatula, trowel or low speed mixer until a homogenous mixture is obtained. **Ready for application after mixing.**

### APPLICATION CONDITIONS

Surfaces must have enough strength. Concrete pressure strength must

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**EPOXY BASED CARBON PLATE ADHESIVE GEL**

be minimum 25 N/mm<sup>2</sup>, and tensile strength of it must be minimum 1,5 N/mm<sup>2</sup>.

Application must be avoided in temperatures below 10°C and very humid ambiances.

Mixture rates must be paid attention.

**SAFETY**

This product is for professional use. Pay attention to the safety warnings on the package before use, see the product's Material Safety Know-How Index when needed. Do not inhale, avoid contact with skin and eyes, do not swallow, use proper work safety equipment. Take safety precautions for environment protection as well as fire and explosion danger. Apply in well ventilated areas.

**TRANSPORTATION and STORAGE**

The product must be stored in 5-35°C.

The product must not be subjected to direct sun light.

Opened product must be stored in its own package, with its lid firmly sealed.

**NOTE:**

GRADA reserves the right to make improvements/revisions on the product and this technical document in time. This Know-How Index renders invalid the Know-How Indexes published before, and is valid for 5 years. The user must ensure that the technical document they have is of the latest version, and contact our company when needed for querying about the validity of the document. Proper use of the product, validity of the application conditions and methods are under the user's responsibility. GRADA Epoxy Paint declines any warranty claims regarding the consequences, work accidents, direct or indirect damages or harm caused by not using the product as recommended. Packaging values stated above are the nominal values in the formulae standardized by GRADA. Under normal production conditions, there may be deviations in a level estimated in international standards.