

Product Data Sheet

GR – Epoxy Adhesive



Epoxy -Based Adhesive and Anchoring Agent.

DESCRIPTION

GR- Epoxy Adhesive is a 2- Component anchoring agent with non-shrink and non-sag features. Consists of epoxy resin 100% solid, curing agent and special additives created to provide high corrosion and chemical resistance with excellent adhesion properties.

Uses

Adhesion agent for concrete, steel, plastic, ceramic, stone, marble, aluminum, polyester and wood. A great structural pre-cast element and bond strengthening of carbon fiber and steel plates. Gr- adhesive is also a great filler for bolt pockets.

PHYSICAL PROPERTIES

Properties	Values
Color	Grey
Specific gravity	1.4 g/ L
Pot life at 25 c°	40 Min
Compressive strength (ASTM D 695)	75 MPa
Flexural strength	35 N/mm ²
Tensile strength (ASTM D – 638)	20 N / mm ²
Water absorption (ASTM D-507)	0.01 %
Flash point	> 150 °C
Bond strength to concrete (ASTM – C 882)	3 N / mm ²
Bond strength to steel	15 N / m m2

Packing

5 kg kit (4 kg A + 1 kg B).

Mix ratio

4 Part A : 1 Part B

ADVANTAGES

- Exceptional workability.
- Solvent free.
- Shrinking and sag resistance.
- Excellent adhesion to multiple surfaces.
- Great Compressive strength.
- Chemical and corrosion resistance.
- Quick strength gain.

SURFACE PREPARATION

The surface must be free of dirt and oil, if any it can effect the bond strength between the product and surface.

APPLICATION METHOD

- Pour component B into component A container with mix ratio 4 A : 1 B mix well slowly till homogenous using electric paddle.
- Use trowel to apply mixture onto surface.
- Fill the joint immediately within 45 mins.

STORAGE & SHELF LIFE

Product containers should be stored at 25°C in dry conditions away from sunlight exposure. Shelf life is approximately 24 months.

HEALTH AND SAFETY

- GR – Epoxy Adhesive is non-toxic.
- Mix to components before disposal.
- Wash splashes on skin with water and soap