

ERA™300

Epoxy Resin Adhesive

PRODUCT DESCRIPTION

ERA™300 is a two-component, low viscosity non-corrosive epoxy resin and polyamine hardener, highly moisture-tolerant structural adhesive for gap filling applications and externally bonding steel plates to concrete (steel jacketing) using pressure injection methods.. Steel jacketing method used to increase flexural ductility of existing reinforced concrete members while also increasing the members' shear strength.

PRODUCT FEATURES

- Low viscosity
- Excellent durability and flexibility
- Excellent cohesive bond to prepared surfaces
- Good adhesion to concrete
- Non-shrinking
- Moisture tolerant for all year round work
- Able to operate in temperatures from 5°C to 45°C

PRODUCT USES

- The ERA™300 epoxy adhesive is specifically designed for bonding steel plates to the concrete surface elements using pressure injection methods. (Steel Jacketing method)

HOW TO USE

SURFACE PREPARATION

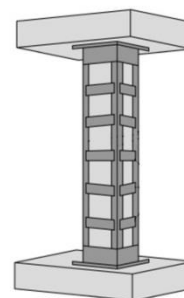
Surfaces should be solvent-wiped, free of heavy deposits of grease, oil, dirt or other contaminants. Remove any weak surface laitance or deleterious, friable material by grinding or grit blasting. Pull-off tests should be carried out prior to application of the adhesive.

MIXING:

Add the hardener to the resin and mix for 3 to 5 minutes with a low speed drill. Mix until a uniform consistency and colour is obtained. In cold weather, it is advisable to store the product unopened in a warm environment for several hours before mixing.

APPLICATION:

After mixing resin and hardener, fill the spaces between the concrete member and the steel jacket with ERA™300 structural epoxy adhesive using pressure injection methods.



Epoxy Resin Adhesive- ERA™300

Ventilate area. In absence of adequate ventilation, use properly fitted respirator.

STORAGE

Store in dry, shaded conditions away from sources of heat and ignition. Store at between 5°C and 25°C. In these conditions shelf life is at least 12 months.

FIRST AID

In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water; contact physician immediately. For respiratory problems, remove to fresh air. Wash clothing before reuse.

DISCLAIMER OF LIABILITY

AFZIR, LLC warrants its products to be free from manufacturing defects. Buyer determines suitability of product for use and assumes all risks. Buyer's sole remedy shall be limited to replacement of product. Any claim for breach of this warranty must be brought within six months of the date of purchase. AFZIR shall not be liable for any consequential or special damages of any kind, resulting from any claim or breach of warranty, breach of contract, negligence or any legal theory. The Buyer, by accepting the products described herein, agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production.

TECHNICAL DATA

Chemical Base	Epoxy resin
Density at 22° C	Mixed product = 1.08 kg/L
Mixing Ratio	100:50 Part A: 100 Part B: 50
Viscosity	Mixed product = 250 cps

HANDLING

Approved personal protection equipment should be worn at all times. Particle mask is recommended for possible airborne particles. Gloves are recommended when handling mortar to avoid skin irritation. Safety glasses are recommended to prevent eye irritation. Wear chemical resistant clothing/gloves/goggles.