

Armabond VE Putty

Vinyl ester fibreglass putty

Nov 05



PRODUCT DESCRIPTION

Armabond VE Putty is a vinyl ester resin based structural fibreglass putty especially designed to use for bonding fibreglass components. The vinyl ester resin base gives Armabond VE a special combination of chemical resistance and resilience. It is reinforced with glass fibres and uses special thixotropes to achieve a high tensile strength that is retained at elevated temperatures.

BENEFITS

- **Corrosion Resistant:** Outstanding resistance to many very corrosive chemicals including many acids and alkalis. Contact ARMATEC for resistance to specific chemicals.
- **Outstanding Adhesion:** Armabond VE bonds strongly to fibreglass and will also bond to many other materials including properly prepared steel, concrete, wood, etc. It will not bond to polypropylene, polyethylene, Kynar or teflon.
- **Fast Cure:** Armabond VE fibreglass putty cures quickly in less than 30 minutes. A heat gun can be used gently after the material is applied to reduce this to just a few minutes.
- **Resilient:** The vinyl ester resin has a high elongation to failure making Armabond VE fibreglass putty resilient to withstand stresses caused by thermal expansion, pressure and temperature cycling, and vibration.

SURFACE PREPARATION

- **Fibreglass:** Abraid fibreglass surfaces to be joined to provide a clean, dry surface free of waxes, release agents and oils. For best bond, some glass fibre needs to be showing in the fibreglass substrate.
- **Concrete:** Provide a clean, dry, porous surface, free from lumps and protrusions. High pressure water blasting, abrasive blasting, scabbling and acid etching are methods that can be employed. Concrete must be dry before applying Armabond VE.
- **Steel:** Abrasive blast with garnet or steel grit to achieve a near white finish and a minimum surface profile of 75 microns. All welds should be continuous, weld lumps and splatter should be removed, and all edges should be radiused to a minimum of 3 mm.
- **Plywood or Timber:** Abraid the surface if it is smooth and non-porous to achieve best adhesion. The plywood or timber must be dry.
- **PVC:** Abraid the surface lightly to remove the waxy film and apply special treatment first. Please consult with ARMATEC for this application.

USES

- Bonding fibreglass parts together.
 - Joining fibreglass pipes.
 - Repairing fibreglass pipes, tanks, hoods, etc.
 - Vehicle body repairs.
 - Repairing concrete surfaces.
 - Bonding or repair of boat hulls.
- FOR A HIGH STRENGTH FIBREGLASS PUTTY.

SUPPLY DETAILS

Armabond VE fibreglass putty is manufactured by Armatec using technology from internationally recognised leaders in materials supply. Standard price lists for materials only supply are available on request.

APPLICATION

Use a clean putty knife or spatula to work the Armabond VE fibreglass putty well into the surfaces to be bonded. Scrape away the excess putty from both surfaces. Excessive clamping or pressure between the bonded parts is not required. Hold the parts securely in place while the Armabond VE putty is setting. Do not move the parts after setting begins.

TENSILE STRENGTH

The tensile strength of Armabond VE fibreglass putty has been measured as follows:

Tensile strength at 12°C	5.2 MPa (750psi)
Tensile strength at 65°C	4.5 MPa (650psi)



Armabond VE putty being used to fit and join a fibreglass pipe stub to a fibreglass vessel.

ARMATEC Environmental Ltd

P.O. Box 3046, New Plymouth, New Zealand.
Ph 06-755-0410

www.armatec.co.nz
email: k-k@armatec.co.nz

Certified ISO 9001 by

