

EPOXY ADHESIVE 305

Product codes

TFX02, TFX04 Packaging listed overleaf.

Description

Epoxy Adhesive 305 is an epoxy resin based compound suitable for placing using hand tools or by means of a hand held applicator gun. The three pack product consists of resin in a mixing tub, a bottle of hardener and a bag of specially graded fillers.

Epoxy Adhesive 305 is used for the jointing of concrete, brickwork, masonry, elastomeric bearings, timber, ceramic tiles, aluminium and steel. The mixed material may be used as an epoxy resin anchor for fixings placed in horizontal holes and "gunned" into narrow gaps such as setting security doors or window frames.

For site use only hand mixing is required, the applied product is self priming giving excellent adhesion to most construction materials. Formed joints are volume stable producing stress free adhesion.

The cured product is resistant to sea water, most chemicals including acids, alkalis, petroleum products and is freeze-thaw stable.

- Uses Include:**
- Bonding of precast units.
 - Placing of elastomeric bridge bearings.
 - Bonding horizontal fixings.
 - Setting frames in precast concrete units.

Typical Mortar Properties @ 20°C

Compressive Strength

1 Day	3 Days	7Days
55N/mm ²	65N/mm ²	70N/mm ²

- Tensile Strength:** 14 N/mm₂ @ 7 Days
Flexural Strength: 34 N/mm₂ @ 7 Days
Slant Shear Bond: 59 N/mm₂ @ 7 Days
Density: 1600 kg/m³
Usable Life: 40 minutes

Specification Outline

Bonding and gap filling shall be carried out using Epoxy Adhesive 305 as manufactured by Tecroc Products Ltd. The product must be stored, handled and placed strictly in accordance with the manufacturer's instructions.

Quality Assurance

Tecroc Products Ltd is a firm of Assessed Capability. The Company's quality system conforms to BS EN ISO 9001:2000 and is assessed by SGS Ltd Systems and Services Certification.

Standards

Epoxy Adhesive 305 has been tested in accordance with the relevant parts of BS 6319.

Instructions For Use

Preparation

Remove laitance and all loose material including dust, oil and grease to achieve a sound substrate. Steel surfaces should be free of mill scale and rust. Aluminium surfaces should be oxide free and abraded. Wood surfaces should be dry and resin free. Working surfaces should be in a surface dry condition. For use with stainless steel surface preparation to SA2_{1/2} is required.

Mixing

The mixing of Epoxy Adhesive 305 should be carried out with full packs only. Pour all of the hardener into resin base container which has enough volume to act as the mixing vessel. Mix by hand for 1-2 minutes until homogeneous. Slowly add the filler continuing to stir and until the mix is again homogeneous.

Placing

Place the mixed material using a clean trowel or other suitable hand tool. If gunning the product into place, fill a 1 litre TecGrip cartridge and insert the end cap. Use a TecGun to inject the Epoxy Adhesive 305 into the working gaps. Do not disturb the filled section until the Epoxy Adhesive 305 has hardened. Tools and mixing equipment should be cleaned with Solvent before the Epoxy Adhesive 305 has started to harden. Place in gap widths between 3mm and 15mm at temperatures between 5°C and 45°C. For temperatures outside this range contact The Technical Service Department.



Grouts



Structural Support Mortars



Concrete Repair Products



Construction Adhesives



Resin Et Cementitious Anchors



Highway Products



Coatings



Waterproofing



Ground Engineering

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Instructions For Use

Curing

No special curing practice is required.

Precautions

Health and Safety

Epoxy Adhesive 305 is a resin-based product. Resins and solvents may cause allergic reactions in some people. Wear gloves, use barrier cream on unprotected skin areas and wear eye protection when mixing, using and cleaning. Ensure adequate ventilation to prevent inhalation of vapours. If skin contact occurs remove resin immediately with cleansing cream and wash with soap and water. Do not use Solvent. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice. If swallowed do not induce vomiting. Seek medical advice immediately. Full health and safety data are given in Product Safety Data Sheet

Fire

Epoxy Adhesive 305 is classified as non-flammable. Solvent is flammable. Should fire occur extinguish with CO₂ or foam.

Storage And Shelf Life

Epoxy Adhesive 305 will have a storage life of 12 months in unopened containers when kept in dry conditions at a temperature between 5°C and 45°C. Storage at higher temperatures and high humidity may reduce shelf life.

Yield

Each 1.5kg pack will yield approximately 1.0 litre of mixed material.
Each 4.5kg pack will yield approximately 3.0 litres of mixed material.

Packaging And Ordering

Epoxy Adhesive 305 is supplied in 1.5kg packs.
1.5kg pack: Product Code TFX02
4.5kg pack: Product Code TFX04

Solvent is supplied in 5 litre and 1 litre tins.
5 litre tins: Product Code TM02
1 litre tins: Product Code TM08
TecGun: Product Code TGR06
TecGrip Cartridge: Product Code TGR07

For further information and sales please contact your local Tecroc Products Office as listed overleaf.

Tecroc Products Ltd products are guaranteed against defective materials and manufacture. Products are sold subject to the Tecroc Products Ltd Terms and Conditions of Sale, copies of which are forwarded on invoice and are available on request. Tecroc Products Ltd endeavours to ensure that the above data and any further advice is correct, however, it cannot accept any direct or indirect liability for the use of its products as such usage is beyond its control.



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