

EPOXY BONDER GP

Product codes

TF28 Packaging listed overleaf.

Description

Epoxy Bonder GP is an epoxy resin based compound suitable for placing using hand tools such as a spatula or notched trowel. The two-pack product consists of a white base resin paste and a black hardener paste. The colour coding of the base and hardener enables uniform mixing to be obtained.

Epoxy Bonder GP is designed as a primary bonding medium for to assemble units constructed from concrete, brickwork, masonry aluminium and steel. Epoxy Bonder GP may be applied as the base coat of a non-slip surface finish for floors, wheeled runways and road corners. Once applied to the substrate the mixed coating should be broadcast uniformly with calcined bauxite grit to produce the non-slip surfacing.

The product is supplied ready for site mixing and application. Mechanical mixing is recommended. The applied product is self-priming giving excellent adhesion to most construction materials.

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

- Uses Include:**
- Bonding of all units constructed from concrete, brickwork, masonry aluminium and steel.
 - Non-slip application to concrete road surfaces at bends, corners and junctions.
 - Non-slip surfacing of ramps.
 - Applications where increased friction is required to reduce slippage such as circular wheel runways
 - Non-slip surfacing of stair treads

Typical Coating Properties @ 20°C

Compressive Strength:

1 Day	3 Days	7 Days
64N/mm ²	70N/mm ²	75N/mm ²

- Flexural Strength:** 35N/mm² @ 7 Days
Bond Strength: Failure occurs in concrete
Usable Life: 90 minutes
Density: 1700kg/m³

Typical Bauxite Properties

- Initial Polished Stone Value:**74
(Granite Value:54)
Aggregate abrasion Value:3.5
(Granite value:4.8)
MOH Hardness:9
(Granite Value:6)

Specification Outline

The bonding or creation of a non-slip coating shall be carried out using Epoxy Bonder GP 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 9002:1994 and is assessed by SGS Yarsley International Certification Services Ltd.

Standards

Epoxy Bonder GP has been tested in accordance with the relevant parts of the following standard.
 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.

Mixing

Mixing should be carried out using full packs only. Place the hardener into resin base container which has enough volume to act as the mixing vessel. Mix using a slow speed high torque drill with a Mortar Stirrer for 1 to 2 minutes until homogeneous.



Grits



Structural Sealants Mortars



Concrete Repair Products



Construction Adhesives



Resin Et Conditioning Agents



Highway Products



Coatings



Waterproofing



Ground Engineering

Head Office
 Holly Lane Industrial Estate
 Atherstone
 Warwickshire
 CV9 2RN
 Tel: 01827 711755
 Fax: 01827 711330

Northern Regional Office
 Unit 2 Shawcross Court
 Shawcross Business Park
 Dewsbury
 West Yorkshire. WF12 7RF
 Tel: 01924 485548
 Fax: 01924 488662

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Placing

Bonding

Epoxy Bonder GP should be applied directly to the adherand faces of the units being assembled. Place the mixed material using a clean notched trowel or other suitable hand tool then mate the unit surfaces. Do not disturb the assembly until the adhesive has sufficiently hardened, approximately 24 hours at 20°C.

Non Slip Surfacing

Immediately after placing the surface coating, broadcast the surface with calcined bauxite to uniformly cover the coating. Gently run a lightweight foam roller over the surface of the bauxite. Allow the coating to harden for approximately 24 hours at 20°C. Excess bauxite may be removed using brush or vacuum and re-used. Place at temperatures between 5°C and 45°C. For temperatures outside this range contact the Technical Service Department . Tools and mixing equipment should be cleaned with Solvent before the Epoxy Bonder GP has started to harden.

Curing

No special curing practice is required.

PRECAUTIONS

Health and Safety

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

Storage And Shelf Life

Epoxy Bonder GP 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 or high humidity may reduce shelf life.

Yield

Each 5kg pack of coating will yield approximately 3.0 litres of mixed material. At a coating thickness of 3mm, the coverage will be 1m² per pack. 5kg of calcined bauxite will cover 1m².

Packaging And Ordering

Epoxy Bonder GP is supplied in 5kg packs of coating
5kg pack: Product Code TF28
Calcined Bauxite is supplied in 25kg packs
25kg pack Product Code TF27
Solvent is supplied in 5 litre and 1 litre tins
5 litre tins: Product Code TM02
1 litre tins: Product Code TM08

For further information and sales please contact the Tecroc Products Office as listed below.

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.

Head Office
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Tel: 01924 485548
Fax: 01924 488662

Web site: www.tecroc.co.uk

E-mail: enquiries@tecroc.co.uk

