

# EPOXY 200

## Product Codes

TGR08 Packaging listed overleaf.

## Description

Epoxy 200 is an epoxy resin based anchor grout with high flow properties capable of placing in annular gaps 2 mm to 12 mm. Adhesion gained from the epoxy resin enables fixings into smooth walled holes such as diamond cored bores.

The three part formulation gives good chemical resistance to most chemicals. Stable to seawater, petroleum products, resists freeze thaw cycles.

**Uses include:**

- Base plates
- Rail tracks
- Starter bars and dowels
- Safety fences and balustrades
- Reciprocating machinery
- High impact loads

## Typical Anchor Properties @ 20°C Anchor Strengths

Length of Anchor Bond (mm)	Uniaxial Pull Out Load (tonnes)
100	3
200	8
400	16
600	24

Deformed bar to BS 4449 in unreinforced 20N/mm<sup>2</sup> concrete, holes drilled by rotary percussive method on air flush

## Parameters controlling Uniaxial Pull Out Load:

Type and strength of base material.  
Length of resin anchor bond.  
Hole forming or drilling method.  
Type of fixing, bolt or bar.

## Safety Factors:

Non – critical applications: 1.5 minimum  
Critical applications: 2.0 minimum  
Compliance with relevant codes of practice and standards.

## Standards:

Epoxy 200 has been tested to the relevant parts of BS 6319, BS 5080

## Specification Outline

Anchor grouting shall be carried out using Epoxy 200 as manufactured by Tecroc Products Ltd. The product must be stored, handled and used 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 9002:1994 and is assessed by SGS Yarsley International Certification Services Ltd.

## Typical Grout Properties @ 20°C

### Compressive Strengths

1 Day	3 Days	7 Days
65N/mm <sup>2</sup>	75N/mm <sup>2</sup>	82N/mm <sup>2</sup>

Density: 1550kg/m<sup>3</sup>  
Usable Life: 20 minutes  
Time to Load: 24 hours

## Grout Volume Required per 100mm of Bond Length

Hole Diam (mm)	Bolt/Bar Diameter (mm)				
	12	16	20	25	32
16	10				
20	20	12			
25		35	25		
32			50	30	
40				75	50
48					100

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# EPOXY 200

## Instructions For Use

### Preparation

Holes should be drilled using rotary percussive drills with air or water flush. Diamond drilled holes may be roughened or under-reamed for extra anchorage values. Holes drilled with non-flushing tools should be cleaned using a steel rotary brush. Debris should be blown out of the hole using compressed air through an extension tube reaching the bottom of the hole. Cast holes should taper so that the hole diameter is smaller at the mouth than the bottom.

### Mixing

Pour contents of hardener bottle into plastic tub containing base resin. Mix until homogeneous. Slowly add the filler, continue to mix until smooth grout has been obtained. Only use complete packs.

### Placing

For holes angled below the horizontal to vertically downwards, pour mixed grout into prepared holes rodding if necessary to ensure grout flows to the bottom of the hole. Insert bar into hole and gently twist and press home to the required depth.

Epoxy 200 may be placed at temperatures between 5°C and 45°C. For placing outside this range contact the Technical Service Department.

### Curing

No special curing is required. Fixings should be left undisturbed until grout has hardened. Tools should be cleaned with solvent prior to grout setting.

## Precautions

### Health and Safety

Epoxy 200 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. For full health and safety data refer to Product Safety Data Sheet.

### Fire

Epoxy 200 is classified as non-flammable.  
Solvent is flammable.  
Should fire occur extinguish with CO<sub>2</sub> or foam.

## Storage And Shelf Life

Epoxy 200 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 1.0kg pack will yield approximately 0.65 litres of mixed material.

## Packaging And Ordering

Epoxy 200 is supplied in 1.0kg packs.

Product Code: TGR08.

Solvent is supplied in 1-litre tins.

Product Code: TM08.

For further information and sales, please contact your local 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.