

E20 EPOXY GROUT

Product Codes

TG60 Packaging listed overleaf

Description

E20 Epoxy Grout is an epoxy resin based grout with high flow properties capable of placing in nominally parallel gaps down to 8mm. Tapered gaps may be filled down to a featheredge. The epoxy resin formulation enables E20 Epoxy Grout to be used in the most demanding situations giving exceptional mechanical strength. The volume stable mix design ensures complete fill of the grouted area and contact with the work piece.

The three part formulation gives good chemical resistance to most chemicals. Stable to seawater, petroleum products, resists freeze thaw cycles. For cold weather working Epoxy Winter Additive will improve low temperature strength development.

- Uses include:**
- Machinery base plates.
 - Crane rail tracks.
 - Bridge Bearings.
 - Compressors and pumps.
 - Reciprocating machinery.
 - High impact loads.
 - Space filling and stress transfer.

Typical Grout Properties @ 20°C

Compressive Strengths

1 Day	3 Days	7 Days
63N/mm ₂	81N/mm ₂	85N/mm ₂

- Tensile Strength 21N/mm₂ @ 7 Days
- Flexural Strength 38N/mm₂ @ 7 Days
- Youngs Modulus 11.9kN/mm₂ @ 7 days
- Density: 1950kg/m³
- Usable Life: 30 minutes after mixing
- Flow Properties Result from 50mm concentric ring test = 200mm Where flow result of 50mm represents nil flow

Standards:

E20 Epoxy Grout has been tested in accordance with the appropriate parts of BS 6319

Specification Outline

Grouting shall be carried out using E20 Epoxy Grout 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 ISO 9001:2000 and is assessed by SGS Ltd Systems and Services Certification.

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. Surfaces to be grouted should be free of standing water and in a surface dry condition. Formwork must be designed with sufficient hydrostatic head to ensure grout flow into and across the grouting area and should be made grout tight. Apply a silicone based release agent to the formwork surfaces which will effect release after grout has hardened. Alternatively use thick polythene sheet firmly fixed to the formwork

Mixing

Mixing of E20 Epoxy Grout should be carried out with full packs only. Pour all of the resin and hardener into a clean mixing vessel. Mix with a slow speed drill (200-300rpm) and Mortar Stirrer (MR4) until homogeneous. Slowly add the filler to the mixed resin and hardener. When all the filler has been added, mix for a further two minutes until an even colour is achieved. Try and ensure that air entrainment is kept to a minimum by keeping the mixing head below the surface level of the grout at all times. Larger volumes may be mixed using a forced action mixer such as the Creteangle.



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

Placing

Allow mixed grout to stand for 5 minutes prior to placing to allow entrained air from mixing to be released. Place grout continuously into the work area from one side only. Where further mixes are required to fill the void, these should be prepared in sequence such that pouring is continuous. Place mixed grout within 30 minutes after start of mixing. Place in nominally parallel gap widths between 8mm and 25mm. Tapered sections may be placed down to a featheredge. For thicker sections use E33, E70 or E140 variants. Do not disturb the grouted section until the grout has hardened. Tools and mixing equipment should be cleaned with Solvent before grout has hardened. Set grout can only be removed mechanically.

E20 Epoxy Grout 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.

Precautions

Health and Safety

E20 Epoxy Grout 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

E20 Epoxy Grout is classified as non-flammable.

Solvent is flammable.

Should fire occur extinguish with CO₂ or foam.

Storage And Shelf Life

E20 Epoxy Grout 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

E20 Epoxy Grout will yield the following volume of mixed grout.

24.6kg pack yields approximately 12.5litres of mixed grout.

Packaging And Ordering

E20 Epoxy Grout is supplied in 24.6kg packs.

24.6kg packs Product Code TG60

Solvent is supplied in 5 litre and 1 litre tins

5 litre tin Product Code TM02

1 litre tin Product Code TM08

Epoxy Winter Additive is supplied in 100gram units

100 gram unit Product Code TG31

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.

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Grouts

Structural Support
MortarsConcrete Repair
ProductsConstruction
AdhesivesResin Et
Cementitious
AnchorsHighway
Products

Coatings



Waterproofing

Ground
Engineering