E70 EPOXY GROUT

Product codes
TG 70, TG31 Packaging listed overleaf.

Description
E70 Epoxy Grout is an epoxy resin based grout with high flow properties capable of placing in gaps between 35mm to 75mm. The epoxy resin formulation enables E70 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 four part formulation gives good chemical resistance to most chemicals. Stable to sea water, petroleum products, resists freeze thaw cycles. For cold weather working E33 Winter Additive will improve low temperature strength development.

Uses include:  Machinery base plates
                  Crane rail tracks
                  Bridge Bearings
                  Compressors, pumps and turbines
                  Reciprocating machinery
                  High impact loads

Typical Grout Properties @ 20°C

<table>
<thead>
<tr>
<th>Compressive Strengths</th>
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<tbody>
<tr>
<td>1 Day</td>
</tr>
<tr>
<td>3 Days</td>
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<tr>
<td>7 Days</td>
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<tr>
<td>63N/mm²</td>
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<tr>
<td>74N/mm²</td>
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<td>79N/mm²</td>
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Tensile Strength  10N/mm² @ 7 Days
Flexural Strength  22N/mm² @ 7 Days
Youngs Modulus     11.9kN/mm² @ 7 days
Density:           2000kg/m³

Usable Life:       30 minutes after mixing
Flow Properties:   Result from 50mm concentric
                   Ring test = 200mm.
                   Flow result of 50mm
                   represents nil flow.

Standards:
E70 Epoxy Grout has been tested in accordance with the appropriate parts of  BS 6319

Specification Outline
Grouting shall be carried out using E70 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 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 E70 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 and Grout Stirrer 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. Larger volume may be mixed using a forced action mixer such as the Creteangle.
E70 EPOXY GROUT

Instructions For Use

Placing
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 gap widths between 35mm and 75mm. For thicker sections use E140 variant. 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. E70 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
E70 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
E70 Epoxy Grout is classified as non-flammable. Solvent is flammable. Should fire occur extinguish with CO₂ or foam.

Storage And Shelf Life

E70 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 and high humidity may reduce shelf life.

Yield

Each 33.8kg pack will yield approximately 16.75 litres of mixed material.

Packaging And Ordering

E70 Epoxy Grout is supplied in:
33.8kg pack  Product Code: TG70.

Solvent is supplied in:
5 litre tin  Product Code: TM 02
1 litre tin  Product Code: TM 08

E33 Winter Additive is supplied in 100 gram units
100g units  Product Code: TG 31

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.