

HIGHGROUT EG1Ts®

Three Component tropicalised Flowing Epoxy Grout

PRODUCT DATA SHEET
Edition: 1-9-2024
ID No: Highgrout EG1Ts®V:7

DESCRIPTION

HIGHGROUT EG1Ts® A Three Component Low Exothermal Tropicalized Flowing Epoxy Grout, It Is Moisture Tolerant and Designed for Fast and Secure Free Flow Grout Installation.

USES

Free Flow Gap Grouting from 6mm – 150mm* For Machinery Bedding, Under plates, Crane Rails, Pumps Etc. Self- Levelling Grouting of Pile Caps, Holding Down Bolts, Columns, Anchor Bolts, Fixing, Deep Crack Filling and Wherever Heavy Duty Support Is Required.

ADVANTAGES

- ☐ Flowing Consistency for Easy and Rapid Grout Installation.
- ☐ High Early Strength Development for Rapid Return to Service.
- ☐ Non-Shrinking. No Loss of Bond or Surface Contact for Accurate Fixing in Bedding and Grouting.
- ☐ Excellent Ultimate Compressive Strength.
- ☐ Resistant to Dynamic Service Loads.
- ☐ Compatible with All Types of Waterproofing Membrane.
- ☐ Bonds to Concrete, Metal and Most Other Building Materials.
- ☐ Chemical Resistant to A Wide Range of Aggressive Agents, Fungus & Algae.
- ☐ Pack Sizes and Grades Are Available to Suit Every Grouting Requirement.
- ☐ Moisture Tolerant.

MATERIAL DATA

Type	Epoxy Based
Form	Dark Grey Flowing Mix
Packing	Component A: 5.73 KG Component B: 2.87 KG Component C: 43.54 KG
Thinning	Epoxy Thinner
Storage	12 month in unopened packaging, between 5°C and 35°C

TECHNICAL DATA

Property	Value	
Pot Life, ASTM C308	30°C – 150min	
Initial Static Loading	24 hours	
Full Cure	7 days	
Compressive Strength BS6319 Part:2 -28 days @ 30°C	>75 N/mm ² @ 28 Days	
Flexural Strength BS6319 Part:2	>25 N/mm ² @ 7 Days	
Permeability BS EN 12390	Nil	
Tensile Strength ASTM D 412	15N/ mm ² @ 7 Days	
Bond Strength BS6319 Part: 4	52.0	
Direct Adhesion to Steel	14.0	
Coefficient of Thermal Expansion: EN 206	6.2x10 ⁻⁶ /°C	
Chemical Resistance	Oil Effluents Mild Acid Alkalis Hydraulic Fluids	EXCELLENT EXCELLENT EXCELLENT EXCELLENT EXCELLENT

APPLICATION DETAILS

All surfaces should be clean, sound, free from oil, grease and any other contaminants and be surface dry and free from standing surface water. Removal of laitance from the concrete surface is recommended to ensure optimum bond. Degrease any bolts or other metal, and if needed grit blast or wire brush to remove rust or old coatings. Ensure the area to be filled is grout tight before starting, to avoid grout seepage and possible loss of bond, when hardened.

Mixing

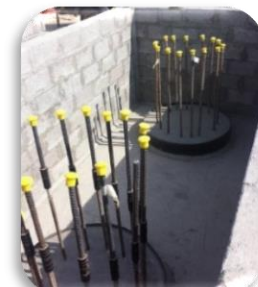
Blend resin and hardener components of **HIGHGROUT EG1Ts®** using a mechanical grout mixer or a slow speed drill and paddle blade. When uniformly blended, add filler component and continue mixing until homogenous (2-3 minutes).

Avoid high speed mixers or those which entrap air in the grout while mixing.

DO NOT split packs – mechanical properties will only be maintained when the correct proportions of each pre-weighed component is used.

Typical Application

- ☐ Before using, allow any entrapped air to escape, then pour grout as soon as possible.
- ☐ Pour into the grout feed hopper, maintaining a hydrostatic head.
- ☐ Pour from one side only to avoid air entrapment.
- ☐ Do not vibrate.
- ☐ Work should be planned to allow for continuous placement. Do not apply in One layer of more than 100mm thickness. Apply greater thicknesses in two layers, allowing the first to cool before pouring the remaining layer.
- ☐ For application at higher ambient temperatures or in large volumes, please consult Bayshield Building Products Technical Team.



HIGHGROUT EG1Ts®

Three Component tropicalised Flowing Epoxy Grout

PRODUCT DATA SHEET
Edition: 1-9-2024
ID No: Highgrout EG1Ts@V:7

SAFETY

Protection Measures

HIGHGROUT EG1Ts® is Epoxy based and there is risk of cauterization in the event of contact with the eyes; will lead to dehydration and thereof irritation in case of contact with skin. So while mixing and applying the product, protect with safety goggles and protective gloves

- Splashes to skin must be washed off with water and Soap

Splashes to the eyes must be rinsed with clean warm water. Seeking medical attention is highly recommended and mandatory

Transportation

Non-Hazardous Material



EPOXY BASED GROUT PRODUCT

Important Notice:

The above data is based on our experience and extensive laboratory tests. It may be considered to be a general advice only and cannot be granted to meet the requirements for all the intended uses. It is the responsibility of the end user to ensure that the product is suitable for the purpose for which he wishes to use it. In view of many varying factors that are encountered during the application of the product it

BAYSHIELD International FZC | P.O Box: 7072 UAQ | Um Al Qiwen, United Arab Emirates | T: +971 56 4089636 | F: +971 7 2660096 | Email: info@bayshield.co | www.bayshield.co

Beirut, Lebanon : T: +961-79-311376 | F: +961-5-955968 | email: info@bayshield.co

HIGHGROUT EG1Ts®

Three Component tropicalised Flowing Epoxy Grout

PRODUCT DATA SHEET

Edition: 1-9-2024

ID No: Highgrout EG1Ts@V:7

does not exclude the end users from not conducting their own test before actually using the product. We are thus only responsible for the quality of the product itself and not responsible for its performance, nor would we accept any liability whatsoever or howsoever arising from the use of this product. Any such matters should be specifically agreed to in writing by us. Bayshield reserves the right to modify the contents of the data sheet from time to time without notice as a system requirement in updating our products from time to time.

EPOXY BASED GROUT PRODUCT