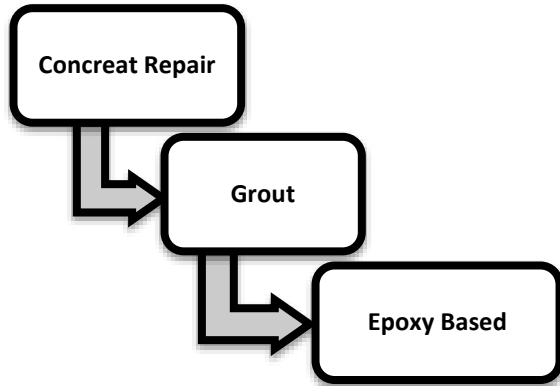


FAMILY TREE



PRODUCT DESCRIPTION

Apollo Flo-Grout EG100 three component, high strength, trowel apply, epoxy resin grout. Apollo Flo-Grout EG100 is suitable for grouting thicknesses between 10 – 100 mm.

FIELD OF APPLICATION

Area Type	: <input checked="" type="checkbox"/> Dry	<input checked="" type="checkbox"/> Semi-wet	<input type="checkbox"/> Submerged
Area Location	: <input checked="" type="checkbox"/> Internal	<input type="checkbox"/> External	
Type of Installation	: <input checked="" type="checkbox"/> Horizontal	<input checked="" type="checkbox"/> Vertical	
Area of Application	: <input checked="" type="checkbox"/> Machine beds <input checked="" type="checkbox"/> Heavy crane rails <input checked="" type="checkbox"/> High speed turbines	<input checked="" type="checkbox"/> Stanchion bases <input checked="" type="checkbox"/> Guardrail <input checked="" type="checkbox"/> Grouting areas where occasional chemical spillage may occur	<input checked="" type="checkbox"/> Struts <input checked="" type="checkbox"/> Bearing plinths <input checked="" type="checkbox"/> Anchoring of steel fixings
Thermal behaviour	: Excellent thermal behaviour.		

PROPERTIES

• Resistant to dynamic loading.	• Non-shrink under continuous loading.
• Good chemical resistance.	• High compressive strength.
• Dense Materials.	• High tensile strength.
• High early strength development allowing for rapid installation.	• High flexural strength.
• Exceptional bond to concrete and steel surfaces.	

PREPARATION

Working Conditions	: 5°C to 35°C.
Tools / Equipment	: Mechanically powered mixer or drill fixed with suitable paddle should be used.
Substrate	: <ul style="list-style-type: none"> • The Substrate should be sound, clean and free from contamination. Surface laitance should be removed by scabbling or grit blasting. • Steel surfaces should be grit blasted to remove all rust and scale. • Concrete surfaces should be dry.
Priming	: Not required.
Joints	: In general, shall not be placed above expansion or construction joints. NASA Flexseal shall be used to manipulate the joints.

MIXING

Ratio	: The product comes ready with all parts that shall be mixed together. No other materials shall be added.
Mixing Speed	: 400 - 600 rpm.

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Apollo Flo-Grout EG100

Apollo Flo-Grout EG100 – 27.5 kg– BS/ASTM

High strength trowable epoxy resin grout

Process : To ensure proper mixing, a mechanically powered mixer or drill fixed with suitable paddle should be used. The entire content of the Hardener pack should be added to the Base pack. Care should be taken to ensure that the bottom and the product sides are thoroughly scraped and used. Mix the two components for 2 minutes. The filler should be gradually added while mixing. Mixing should continue for 3 minutes or until a uniform consistency obtained.

APPLICATION

Thickness : The product can be applied in a single layer at thickness between 10 - 100 mm.

Coverage / Yield : Approximately 14 litre/27.5 kg packs.

Process : Under Base plate:
 Enough materials should be available to achieve continuous fill and to complete the work. Use suitable trowel to apply the material to form the needed shape and thickness, top surface should be leveled to avoid waviness which will generate gaps under the base plates that may affect the load bearing capacity of the base plate.

- If application is done under high temperatures, care should be done because the working time will be reduced significantly.
- To reduce the effect of this problem, try to store the unmixed materials in a cool environment, avoiding the direct sunlight. Also, try not to make the application in the middle of the day or direct sunlight.

Cleaning : All tools should be cleaned immediately after finishing using a suitable epoxy thinner. Hardened materials should be cleaned mechanically

PACKING

Standard Package : Apollo Flo-Grout EG100 is available in 27.5 kg.

Custom Package : Special packages can be arranged for large requirements.

How to Order : Specify the Product Name followed with a hyphen and package size.

STORAGE CONDITION

Shelf Life : 12 months from the date of manufacturing.

Temperature : 5°C and 35°C.

Points of Attention : Store in shaded area and properly sealed in its original packing.

TECHNICAL PROPERTIES

PROPERTY	STANDARD	VALUE
Testing Standard	ASTM & BS	
Testing Conditions	Tests were carried out in Apollo R&D laboratory with W/P = 0.25 @ 25°C	
Component		Part A – Base Part B – Hardener Part c – Filler
Form		Part A – Liquid Part B– Liquid Part c – powder
Colour		Vary
Compressive strength	BS 6319, Part 2:1983	7 days > 95 MPa
Flexural strength	BS 6319, Part 3 : 1990	7 days ≥ 20 MPa
Tensile strength	BS 6319, Part 7:1985	≥ 12MPa @ 7 days
Recommended working ambient temperature		5 – 35 °C

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Apollo Flo-Grout EG100

Apollo Flo-Grout EG100 – 27.5 kg– BS/ASTM

High strength trowable epoxy resin grout

Working life	100 - 120 min
Fresh wet density	2.00 ± 0.05 g/cm ³

ATTENTION

PPE : It is recommended to use full PPE while working with the product to avoid any possibility of irritation to skin or eyes. In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.

Hazardous Classification : Non-Hazardous.

Fire : Non-flammable.

APOLLO AT THE GLANCE

Apollo is confident with the technical solutions and high quality end products served to the customers.

Apollo invites you to explore other services and products:

• R&D and manufacturing custom solutions	• Adhesives	• Bonding Agents Systems
• Building Finishing Systems	• Concrete Admixture	• Concrete Repair Systems
• Flooring Systems	• Grouts & Anchoring Systems	• Painting & Putty Systems
• Protective Coatings	• Sealant & Jointing Solutions	• Structural Strengthening Solutions
• Surface Treatment Solutions	• Tile Adhesive & Grouting Solutions	• Waterproofing Systems

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