



702 CALFARGE

HIGH STRENGTH, NON-SHRINK, REPAIR GROUT



ECO FRIENDLY



HIGH STRENGTH



NON SHRINK

DESCRIPTION

Davco 702 is a single component, high strength, shrinkage compensated grout that is non-corrosive, non oxidizing, and free of chlorides and nitrates.

USES

- Vertical repairs.
- Gap grouting.
- Concrete Repair.

CHARACTERISTICS

- High mechanical strength
- Non corrosive and chloride free
- Easy application

SPECIFICATIONS

- Grey ready-to-wet powder
- Hydraulic binder active ingredients
- Chloride and metal particle free
- Particle size : 0 - 2 mm
- 0.08 mm undersize : 50%
- pH mortar : 12.5

TECHNICAL DATA

Setting Time	
BS EN 196-3 : 2005+A1 : 2008	
Initial Set	≥ 1 hrs
Final Set	≤ 10 hrs
Compressive Strength	
BS6319 : Part 2 : 1983 (Reapproved 2004)	
7 days	≥ 70 N/mm ²
28 days	≥ 80 N/mm ²
Volume Change	
ASTM C827 : 2001a (2005)	0-3%
Flexural Strength	
BS EN 1015 - 11 : 1999	
28 days	≥ 9 N/mm ²
Initial Surface Absorption	
(BS 1881 : Part 208 : 1996)	≤ 0.005ml/m ² /s
Slant Shear Bond Strength	
(BS EN 12615 : 1999)	≥ 20 N/mm ²

Specifications are subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

DOSAGE / YIELD

	702 CALFARGE	3/8 aggregate (litres)	Water	Workable Volume
Sealing				
Plastic consistency	1	0	2.75-3.6 litres	12.4 litres

BUILDING TRUST





702 CALFARGE

INSTRUCTIONS

Surface Preparation

Substrate should be cleaned and roughened. All loose materials and free water must be removed. Damp the substrate with water before application.

Mortar Preparation

For optimum result, mechanical mixer should be used. The recommended amount of water (2.7 litres to 3.6 litres) should be measured and poured into the mixer. Slowly add Davco 702 and mix continuously for 4 to 5 minutes. Thoroughly mix until a plastic consistency is obtained

Application

Davco 702 is ready to use with the addition of water.

Floor And Vertical Patching / Repairs:

Compact Davco 702 into the repair area and finish with a steel trowel. Addition of bonding agent improves abrasion resistance:

Davco 702 25 kg
Davco 751 2 litres
Water 1 - 2 litres

Maximum 25 kg of 3mm gravel / granite chips can be added to this mix without reducing mechanical properties.

Bedding Mortars:

For floor topping / levelling mixes, Davco 702 could be used with Davco 751 to improve adhesion:

Davco 702 25 kg
Sand (2.4 - 5mm) 5 - 10 kg
Davco 751 3 litres
Water 3 - 4 litres

*Amount of sand added depend on site application

Curing:

Immediately after finishing, exposed area should be thoroughly cured with wet hessian or curing compound.

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PACKAGING

25kg bag

SHELF LIFE

Shelf life of up to 12 months from the date of manufacture when stored in a dry place free from moisture contact.

HEALTH & SAFETY

Davco 702 is non-hazardous. In case of eye contact, wash with plenty of water. If irritation persists, seek immediate medical attention. Refer to safety data sheet.

RECOMMENDATIONS

- Temperature range for use : 5°C to 35°C.
- In low temperatures, setting will take much longer to begin.
- Do not apply to a frozen or thawing substrate.
- Surfaces must be protected from air once setting starts.

Disclaimer

The use of this product is beyond the manufacturer's control and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. Specifications are subjected to changes without prior notice. Before application, customers and users are requested to check that they have the latest version of this document from our website www.sika.com.sg



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