



# 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<sup>2</sup>

28 days

≥ 80 N/mm<sup>2</sup>

Volume Change

ASTM C827 : 2001a (2005)

0-3%

Flexural Strength

BS EN 1015 - 11 : 1999

28 days

≥ 9 N/mm<sup>2</sup>

Initial Surface Absorption

(BS 1881 : Part 208 : 1996)

≤ 0.005ml/m<sup>2</sup>/s

Slant Shear Bond Strength

(BS EN 12615 : 1999)

≥ 20 N/mm<sup>2</sup>

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
<b>Sealing</b>				
Plastic consistency	1	0	2.75-3.6 litres	12.4 litres

BUILDING TRUST





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## 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](http://www.sika.com.sg)



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Updated Jul 2022

