



SAC 22

MORTAR AND TILE GROUT ADDITIVE



ECO FRIENDLY



LOW VOC



WATER BASED

DESCRIPTION

High performance latex admixture, to be used with portland cement mortars, wall and floor tile grouts. Davco SAC 22 latex enhances and improve overall properties of mortar and grouts increasing durability of installation.

USES

Davco SAC 22 is used as a water replacement additive in the following applications:

Portland cement and sand screeds / renders / scratch and levelling coats for concrete and masonry.

Thick bed tile installations.

Sanded and unsanded colorgrout.

Cement and grout.

ADVANTAGES

Improved flexural strength and flexibility.

Reduces cracking problem and has low shrinkage.

Improve tensile strengths and providing durability to thick bed tile installations.

Improved strength, chemical and water resistance and less water on coloured grouts increases durability of installation.

TECHNICAL DATA

Davco SAC 22 fortified Dryset mortars meets and exceeds the various requirements of BS 5980: 1980, BS-5385: 1976, AS 2358: 1980, ANSI A118.4, A1361, CTI-64.

Type	Synthetic liquid polymer latex
Colour	Milky white
Compressive strength ANSI A118.4 - 1985, ASTM C109 - 88	29.6 N/mm ²
Density (1:3 Cement : Sand mix)	2100 kg/m ³
Adhesion to concrete, ASTM C482	35 kg/cm ²
Water Absorption	Less than 4%
Hardness D2240	70
Coefficient of Expansion	Same as concrete
Flame and Smoke Enhancement	Zero
Indicative working Time for Thick Bed mortars @ 21°C (20°F) @ 32°C (90°F)	1½ hour 1 hour
Service Temperature	Up to 150°C
Service Rating (TCA rating)	Extra heavy

(for the working characteristics of latex fortified Dryset mortars refer to appropriate Dryset Datasheet).

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.

BUILDING TRUST





SAC 22

MIXING & APPLICATIONS

Materials

Sand must be clean, sharp, washed and free from impurities.

Cement
Portland cement conforming to ASTM C-150 Type 1 or BS 1234 or SS26 preferably with low lime and salt content.

DRYSET MORTAR
Shall be Davco Tilebond

COLOUR GROUT
Davco Sanitized® Colorgrout or Colorfiller 80

Surface Preparation

All concrete surfaces (waterproofed and drained as appropriate) must be cured. Uneven or cracked areas must be properly repaired and exposed rebars appropriately cleaned and primed. Remove all dust, dirt, oil, grease, wax, sealers or other foreign matter.

Wash surface with clean and stiff bristle brush. Remove all excess water.

Thick bed mortar

Stir thoroughly before using. Use Davco SAC 22 as a replacement for water in mixing conventional thick beds. Mix 1 part portland cement to 3 parts washed sand gauged with Davco SAC 22 latex additive. Allow to cure a minimum of 24 hours prior to applying thin bed bond coat.

Coloured Grouts

Stir thoroughly before using. Use Davco SAC 22 in place of water. Add grout to Davco SAC 22 and mix thoroughly to desired consistency.

Allow grout to slake ten minutes then remix before using. 25kg bag of coloured grout will require approximately 5 - 6 litres of Davco SAC 22. Grout according to manufacturer's instructions, refer relevant colour grout data sheet.

Recommended Mix

1) Levelling and scratch coats

Portland Cement - 50 kg
Sand - 50 kg
Davco SAC 22 - 19 litres

2) Thick Bed Mortar

Portland Cement - 50 kg
Sand - 150 kg
Davco SAC 22 - 19 litres
Above mix will cover approximately 1m² to a depth of 100mm.

3) Coloured Grouts or cement grout

1 bag 25 kg Davco Sanitized® Colorgrout or Colorfiller 80 with approximately 5 - 6 litres of Davco SAC 22

Coverage would depend on tile size and profile.

PACKAGING

Available in 208 litres drum, 20 litres pail.

SHELF LIFE

Shelf life of up to 12 months in unopened containers stored in a cool dry elevated place.

HEALTH & SAFETY

In cases of coming in contact with eye or excessive skin contact, thoroughly flush with water. If any ill effects should occur, seek medical attention promptly.

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

Sika (Singapore) Pte Ltd.

28 Tuas South Avenue 8 Singapore 637648

Tel: (65) 6861 0632 • Fax: (65) 6862 1172

Email: sales@sg.sika.com

Website: www.sika.com.sg

Online Store: davco-online.com.sg



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