



# MORTACRETE SD

## POLYMER MODIFIED CEMENTITIOUS REPAIR MORTAR



**ECO FRIENDLY**



**HIGH  
STRENGTH**



**NON  
SHRINK**

### DESCRIPTION

Davco Mortacrete SD is a high performance, shrinkage compensated, polymer modified cementitious repair mortar. It is easy to use, needing only to add clean water and mixing on-site to produce a consistent medium weight, chloride free and alkali resistant concrete reinstatement mortar for repairing damaged cementitious surfaces.

### USES

Davco Mortacrete SD has high compressive strength and is ideal for vertical repairs to concrete columns and beams and medium duty repairs to concrete floor and pavements.

### ADVANTAGES

- Chloride free and alkali resistant
- High compressive strength for repair on structural concrete
- Polymer modified for higher bond strength and low water permeability
- Shrinkage compensated
- Prepacked and premixed in factory for performance accuracy and quality consistency
- Suitable for overhead repairs

### TECHNICAL DATA

Appearance	: Grey powder
Consistency	: Fluid or Flowing
Filler	: Graded Sand
Yield per bag	: Around 0.017m <sup>3</sup>
Shrinkage (ASTM C940)	: None
Compressive Strength	: > 35 N/mm <sup>2</sup> @ 28 days
Tensile Strength ASTM C307 : 2003 (2008)	: > 2 N/mm <sup>2</sup> @ 28 days
Adhesion Strength BS EN 1015-12 : 2000	: > 1 N/mm <sup>2</sup> @ 28 days
Setting Time BS EN 1015-9 : 1999 Method A	- Initial : Approx. 4-5 hours - Final : Approx. 6-7 hours

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.

### SURFACE PREPARATION

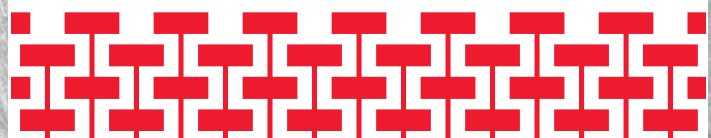
All surface must be clean and free from dust, debris and oil. Remove all surface laitance by acid etching, grinding, needle gunning or grit blasting. Thoroughly wetted and damped all surfaces, removing any free surface water before application. (Repair sections should be cut back with square edges).

Expose fully any corroded steel in the repair area and remove all loose scale and corrosion deposits. Thoroughly clean the steel reinforcement with abrasive blasting and high pressured washing.

### Priming

The concrete surface should be primed with Davco Bonding Agent. The reinforcement should be primed with Davco 760- a paint protection against corrosion.

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## MIXING

Add approximately 4.5 to 5.0 litres of clean water to 25kg of Davco Mortacrete SD. Slowly add the powder component to the liquid, stirring well with a slow speed paddle stirrer for 3 to 5 minutes until the desired consistency is achieved. Alternatively, this operation may be carried out in a pan mixer for larger volume. Care should be taken to ensure thorough mixing of the mortar for a cohesive and lump free mix.

## APPLICATION

Floor patching

For maximum adhesion, ensure the cavity is clean, free from debris and surface roughened. The cavity should be wetted thoroughly but there should be no water ponding. Press the mortar well into the receiving substrate and compact to ensure good adhesion. Finish the surface with a steel float.

Vertical repair

Prepare surface properly as above and mix product to putty consistency. Place mortar onto the area using a steel float and trowel. Applications greater than 15mm thick should be placed in layers. Additional layers can be built up subsequently and gradually.

Pot Life:

Approximately 40 minutes after mixing.

Curing:

Davco Mortacrete SD contains a shrinkage-compensated cement system and polymer, helping to reduce water during curing but good curing practice is still necessary. To protect against drying, a single coat of curing compound can be applied immediately after finishing and a subsequent second sealing coat to protect against carbonation.

## PACKAGING

Davco Mortacrete SD is available in 25 kg bags.

## SHELF LIFE

When the product is stored in a cool and dry place, product shelf life is up to 12 months from date of manufacture.

## HEALTH & SAFETY

Davco Mortacrete SD is non-hazardous. However care should be taken when handling the materials. Wear protective clothing. In windy conditions, wear a filter mask to avoid inhaling dust. Care should be taken during use to avoid contact with skin, eyes and mouth. In case of eyes splashes or excessive skin contact, wash thoroughly with clean water. If irritation persists, seek immediate medical attention. Refer to safety data sheet.

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.parexgroup.com.sg](http://www.parexgroup.com.sg)

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ParexGroup, a French multi-national company with headquarters in Paris, is a leading manufacturer of speciality products for the construction industry with operations in more than 20 countries, and our 2700 people around the world are the cornerstone of our growing organization.

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Certificate SG09/02195



Certificate SG95/06111



Certificate SG09/50075



ISO 14064 : 2006  
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