



# RENDER COARSE ECO

**ENVIRONMENTALLY FRIENDLY,  
PREMIXED COARSE MORTAR  
PLASTER**



**ECO FRIENDLY**



**LOW CARBON  
FOOTPRINT**



**EASE OF USE**

## DESCRIPTION

Davco Render Coarse ECO is an environmentally friendly, high performance premixed plaster. Specially formulated to have low carbon footprint to minimise the impact on the environment. It is an excellent plaster that provides superior bonding to concrete substrate and brickwork surfaces.

Davco Render Coarse ECO comprises of Ordinary Portland Cement, polymers, graded sand, approved recycled material and chemical additives to provide a durable plaster for both internal and external use.

Davco Render Coarse ECO is approved by the Eco-labelling authority in Singapore as a sustainable building material.

## USES

Davco Render Coarse ECO is an extremely versatile material, highly recommended for bedding, pointing brickwork and blockwork, backing and bedding for wall tiles. It is also recommended for internal and external plastering.

Davco Render Coarse ECO is suitable for all types of concrete substrate, lightweight autoclaved aerated blocks, brickwall and blockwall.

## ADVANTAGES

- Lower product carbon footprint when compared to similar plaster.
- Premixed to ensure good consistent quality.
- Mixing and application made easy.
- Eliminates all surface crack lines.
- High bonding strength.
- Good weather resistance and high durability.

## TECHNICAL DATA

Appearance	: Grey
Tensile Adhesion Strength, N/mm <sup>2</sup> BS EN 1015 - 12 : 2000	: Average Strength $\geq 0.75$ Individual Strength $\geq 0.6$
Compressive Strength BS EN 1015 - 11 : 1999	: 12 - 20 N/mm <sup>2</sup>
Water Retentivity BS 4551 : 2005 + A1 : 2010	: $\geq 95\%$
Linear Shrinkage ASTM C531 : 2000 (Reapproved 2005)	: $\leq 0.10\%$
Shear Adhesion Strength : Average Strength $\geq 1.0$ (28 days), N/mm <sup>2</sup> : Individual Strength $\geq 0.7$ HDB's Test Method	
Stiffening Time BS EN 1015 - 9 : 1999 (Method A) @ 1 N/mm <sup>2</sup> @ 2 N/mm <sup>2</sup>	: 4 - 6 hours $\leq 8.3$ hours
Recommended Thickness	: 10mm to 15mm thick per layer of application
Consistency Retentivity BS 4551 : 2005 + A1 : 2010	: $\geq 65\%$
Binder	: Ordinary Portland Cement
Filler Material	: Precisely graded silica sand
Additives	: Polymers to improve workability, water retention and adhesion
Coverage	: 25 - 30m <sup>2</sup> / mm / 40 kg bag
Pot Life	: 40 - 60 minutes

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**





# RENDER COARSE ECO

## SURFACE PREPARATION

Remove all dust, oil or traces of foreign materials. Dampen the dry concrete or plastered surface before application of Davco Render Coarse ECO.

## MIXING

Add approximately 5.6 - 6.6 litres of water to 40 kg of Davco Render Coarse ECO. Mix thoroughly using an electrical mixer or a paddle mixer for 3 to 5 minutes until the desired homogeneous mortar paste is achieved. Ensure the mix is free from lumps before use.

## APPLICATION

Davco Render Coarse ECO is applied using a steel trowel or spraying machine. It will remain workable for approximately 40 - 60 minutes after mixing. The first coat should have application thickness not exceeding 8mm. After curing under shaded ambient conditions for 4 hours, the second coat is applied.

## Curing

In hot ambient temperature, the plaster should be cured with water spray during the first 2 days, for better shrinkage control.

## PACKAGING

Davco Render Coarse ECO is available in 40 kg 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 AND SAFETY

Davco Render Coarse ECO 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.

### 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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