



# BLOCK BOND ECO

## ENVIRONMENTALLY FRIENDLY ADHESIVE FOR LIGHT WEIGHT BLOCK



ECO FRIENDLY



LOW CARBON  
FOOTPRINT



EASE OF USE

### DESCRIPTION

Davco Block Bond ECO is a single component polymer modified cementitious adhesive mortar that is ideal for jointing lightweight blocks and is approved by the Eco-labelling authority in Singapore as a sustainable building material.

Davco Block Bond ECO is specially formulated with Ordinary Portland Cement, approved recycled content, graded sand and polymeric chemical additives to have lower embodied carbon footprint while providing a durable mortar adhesive for light-weight blocks to meet stringent requirements.

### USES

Davco Block Bond ECO is designed for easy and quick installation of light-weight autoclaved aerated blocks.

### ADVANTAGES

- Environmentally friendly product.
- Premixed to ensure good consistent quality.
- Prepacked for convenience in handling.
- Mixing and application made easy.
- Water resistant and good workability.
- High bonding strength due to polymer modification of the mortar.
- Good weather resistance and high durability.
- No pre-wetting of joint surfaces required.

### TECHNICAL DATA

Appearance	: Grey
Recommended Joint Thickness	: 2.0mm to 4.0mm thick
Consistency	: Homogeneous mortar paste
Binder	: Ordinary Portland Cement and special polymer
Filler Material	: Graded fine silica sand
Additives	: Polymers to improve workability, water retention and adhesion
Open time @ 25°C	: Up to 20 minutes
Setting Time	: More than 3 hours & less than 8 hours
Pot Life	: 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.





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## **SURFACE PREPARATION**

Remove all dust, oil or traces of foreign materials.

## **MIXING**

Add approximately 5.5 - 6.0 litres of water to 25 kg of Davco Block Bond 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.

Allow the mixture to stand for 5 -10 minutes, and remixed before use.

## **APPLICATION**

Apply Davco Block Bond ECO onto clean joint substrate with an appropriate notched trowel. The material can be applied at a recommended thickness of 2 - 4 mm. Ensure good contact is achieved between mortar adhesive and block surface. This is best achieved by laying the blocks as soon as the mortar is applied. The blocks can be adjusted to proper alignment by using a rubber mallet.

## **COVERAGE**

Coverage (per mm thick) : Approx. 20m<sup>2</sup> / 25 kg.

## **PACKAGING**

Davco Block Bond ECO is supplied in 25 kg bag.

## **SHELF LIFE**

Davco Block Bond ECO must be stored in a dry place and free from moisture contact. It has a shelf life of 12 months from date of manufacture.

## **HEALTH & SAFETY**

Davco Block Bond 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)

## **Sika (Singapore) Pte Ltd.**

28 Tuas South Avenue 8 Singapore 637648

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

Email: [sales@sg.sika.com](mailto:sales@sg.sika.com)

Website: [www.sika.com.sg](http://www.sika.com.sg)

Online Store: [davco-online.com.sg](http://davco-online.com.sg)



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