



# PANEL GROUT ECO

## SINGLE COMPONENT, POLYMER MODIFIED CEMENTITIOUS ADHESIVE MORTAR



**ECO FRIENDLY**



**HIGH STRENGTH**



**NON SHRINK**

### DESCRIPTION

Davco Panel Grout ECO is an eco friendly, non shrink grout that is ideal for fixing of both Precast Concrete Panels and Light Weight Panels. It is polymer modified and fibre reinforced to prevent hairline cracks, and strengthen the adhesion between panels.

Davco Panel Grout ECO is specially formulated to have lower embodied carbon footprint and is recognized as a sustainable building material by Singapore Eco labelling authority.

Davco Panel Grout ECO, in relation to its reaction to fire behaviour, meets the requirement to be classified as A1 in accordance with BS EN 13501-1:2007+A1:2009

### USES

Davco Panel Grout ECO is designed for use as panel adhesive in the installation of Precast Concrete Panel and Light Weight Concrete Panel Walls.

### ADVANTAGES

- Environmentally friendly product.
- Fibre reinforced to prevent hairline cracks from occurring.
- Non shrink to prevent drying shrinkage.
- Premixed for ease of use and good consistent quality.
- Water resistant and good workability.
- High bonding strength due to polymer modification of the mortar.
- Good weather resistance and highly durable.

### TECHNICAL DATA

Appearance	Grey
Recommended Joint to Joint Thickness	2.0 mm to 20 mm thick
Slant shear bond strength BS EN 12615 : 1999	≥ 1.5
Compressive strength @ 28 days ASTM C109 : 2016a	≥ 40
Setting time (BS EN 196 : 3 : 2005 +A1 : 2008)	Initial ≥ 60 Final ≤ 240
Volume change ASTM C827 / C827M : 2010	Lower limit : 0 Upper limit : +3
Open time @ 25°C	Up to 20 minutes
Pot Life	< 60 minutes
Reaction to Fire EN13501 : 1 : 2007+A1 : 2009	: A1

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

Substrate should be cleaned and loose materials, dust, oil or traces of foreign materials removed .

Damp the substrate with water before application.

## MIXING

Add approximately 4.5 - 5.5 litres of water to 25 kg of Davco Panel Grout 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

Davco Panel Grout ECO can be applied to joint substrate with an appropriate trowel or pumped to fill the gap between panels . The material can be applied at a recommended thickness of 2 - 15 mm. Ensure good contact is achieved between joint adhesive and panel surface.

## COVERAGE

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

## PACKAGING

Davco Panel Grout ECO is supplied in 25 kg bag.

## SHELF LIFE

Shelf life up to 12 months in unopened bags, stored in a cool dry elevated position.

## HEALTH & SAFETY

Davco Panel Grout 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.parexgroup.com.sg](http://www.parexgroup.com.sg)

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