

DURAL 687

GENERAL PURPOSE EPOXY PASTE



EUCLID CHEMICAL

PACKAGING

DURAL 687 is packaged in 4 litre kits.

APPROXIMATE YIELD

1m²/litre at 1mm thick.

CLEAN-UP

Clean equipment immediately after use with Pro-Struct 105 Brush Cleaner and rinse with clean water.

SHELF LIFE

24 Months if stored between 15°C to 30°C.

DESCRIPTION

DURAL 687 is a 2-component, solvent-free epoxy aggregate paste designed to have filling and supportive capabilities of uneven surfaces which are to be bonded together.

PRODUCT CHARACTERISTICS**FEATURES / BENEFITS**

- Equal volume mix
- Low cost
- Easy to mix and apply
- Water smoothable
- Non-slump and gap filling properties

PRIMARY APPLICATIONS

- Bonding concrete, brick, tiles and construction products
- Fixing and sealing manhole concrete rings
- Adhering precast concrete elements such as palisade and concrete walls, pillars and paving
- Fitting access flooring metal supports to slabs and security bars into brickwork

TECHNICAL INFORMATION

The following are typical values obtained under laboratory conditions. Expect reasonable variation under field conditions.

TYPICAL PROPERTIES	AT 25 °C
Colour	Light Grey
Consistency	Aggregate-filled Paste
Volume Solids	100%
Number of Components	2
Mix Ratio by Volume (Base:Activator)	1:1
Pot Life	60 to 90 Minutes
Apply Over	Prepared concrete surfaces
Apply By	Trowel or Putty Knife
Initial Set	4 Hours at 25 °C 16 Hours at 15 °C
Service	16 Hours
Full Cure	4 Days
Application Temperature Range	15 °C to 35 °C
Maximum Service Temperature	60 °C
Compressive Strength	>50 MPa at 24 hours >60 MPa at 4 days
Concrete Bond Strength	Breaks concrete
VOC	<2 g/l

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DIRECTIONS FOR USE

Surface Preparation:

Surfaces must be clean, dry and sound. Exposed concrete surfaces must be sandblasted or chipped to show the well-bonded main aggregate. Steel should be grit-blasted clean, free of rust, paint or foreign matter likely to affect the bond or performance of the repair.

Mixing: Precondition material to between 15°C and 25°C before using. Pre-mix each component of the kit. Empty each component of the kit on a clean flat board, and thoroughly mix together for 4 to 5 minutes using a gauging trowel or putty knife until a uniform colour is achieved. If smaller quantities are required for the repair, accurately measure out equal volumes of Base and Activator, i.e. 1:1.

Application: Using a notch trowel or putty knife, apply the mixed material to the surfaces, ensuring full contact will be made when items are brought together. Squeeze item components together and remove excess adhesive and smooth exposed glue line with water and a cleaned application tool or sponge.

PRECAUTIONS / LIMITATIONS

- Application temperature of substrate to be 15°C and rising. Low temperatures adversely affect application spread rates and time to achieve bond.
- Hot temperatures decrease working time.
- Do not apply over wet surfaces.
- Do not thin with solvent.
- Use materials in strict accordance with the manufacturer's Safety Data Sheet.
- Protective clothing and equipment will significantly reduce risk of injury.
- Body coverage apparel, safety goggles and impermeable gloves are recommended.
- In case of contact, flush with copious amounts of water and seek medical attention.
- Dispose of waste materials and containers in strict accordance with Government regulations.