

# ADCOPOXY 611

Dry-to-dry adhesive, concrete-to-concrete, steel-to-concrete

ADCO  
Construction-  
and Mining  
Chemicals

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technical data sheet

## DESCRIPTION

ADCOpoxy 611 is a water smoothable, solvent-free epoxy paste for the use as structural mortar compound or as repair medium with excellent compression and abrasion resistant characteristics. Its paste / putty consistency enables successful filling and repair of spalls, imperfections and voids. The product can be bulked using selected graded aggregate, please consult ADCO Construction- and Mining Chemicals for supply.

## USES

ADCOpoxy 611 is specified in applications of structural concrete repair (patching of defects, filling of voids as well as edge and nosing repairs), the fixing of steel dowels into concrete members and bonding butyl rubber or hypalon bandage sealing systems to concrete substrates.

## SURFACE PREPARATION

Surfaces to receive ADCOpoxy 611 shall be clean, dry and sound, free from oil laitance, dust or curing agents. Steel should be abraded – concrete shall be scabbled, scarified or etched to form a mechanically keyed surface. Remove dust with compressed air or vacuum. Butyl rubber and hypalon bandages have to be pre-treated with a solvent wipe.

## MIXING AND APPLICATION

A two-litre kit of ADCOpoxy 611 is supplied where the activator is packaged in a plastic bag, which rests on top of the base. Remove the plastic separating sheet; transfer the total quantity of the activator onto the base and using a flat bar mix thoroughly until the material is a uniform grey colour, free from streaks and lumps. Apply immediately after mixing.

Application takes place by using a trowel, spatula or gloved hand; exert sufficient pressure ensuring precise contact with the substrate – smooth with water and a steel trowel if required. Curing times are retarded by low temperatures and accelerated in elevated ambient temperature conditions.

Clean all tools and equipment with ADCOchem 291 immediately after use.

## PROPERTIES

Mixing ratio	use as supplied
Pot Life	±40 minutes depending on ambient conditions
Practical Cure	24 hrs @ 24°C, full cure at 7 days
Shelf Life	1 year
Storage	do not freeze
Solids content	>98%
Colour	grey
Application Temp	10°C – 35°C
Service Temp	dry 80°C, wet 60°C
Compressive Strength	>70 MPa
Tensile Strength	>8 MPa

## SAFETY

Contact with the skin should be avoided by wearing gloves and protective clothing. In case of eye contact wash well with warm water and obtain medical advice. The cured material is not toxic.

Remember : Keep away from children, handle responsibly and consider the environment.

## UPDATE

May 2017.

This supersedes all previous documentation.