

Acobond E68

Multipurpose Epoxy Adhesive

Product Description

Acobond E68 is a two-component multipurpose Epoxy adhesive, solvent-free, high-strength, moisture-resistant, designed for use on vertical, horizontal or ceiling surfaces.

Acobond E68 has high mechanical properties and excellent adhesion to concrete and other materials.

Applications

- Patching, repairing concrete surfaces in all directions
- Anchoring, planting the reinforcement, bolt
- Filling cracks and holes
- Bonding concrete, brick, stone and hard materials to locate the crack pump nozzle.

Features and Benefits

- Easy to mix and apply
- Sagging resistant and very good for use on vertical surface
- High compressive strength, high compressive modulus
- High adhesion strength
- Chemical and humidity resistance
- High resistance to pressure and impact
- Usage time after mixing is up to 40 minutes
- Suitable for tropical climates.

Technical specification

Color	Component A: White Component B: Black
Color after mixing	Grey
Mixing ratio (A : B)	2 : 1
Working	40 minutes
Drying time	8 hours
Flammability	Non-flammable, non-explosive
Packaging	1 kg or 4.5 kg per set
Storage	Store at temperatures from 5°C to 35°C
Expiry date	12 months

Mechanical parameters

Compressive Strength	ASTM D 695-15
- 7 days	≥ 40 Mpa
- 14 days	≥ 60 MPa
Flexural Strength	ASTM D 348-14
- 7 days	> 20 MPa
- 14 days	≥ 27 MPa
Adhesion Strength	ASTM C 882-13
- 7 days	≥ 10 MPa
- 14 days	≥ 15 MPa
Maximum pull-out load	ASTM E 488-15
	≥ 28 kN

Using instruction

Surface preparation

- Clean the construction surface, vacuum and blow the dust by an air compressor. When constructing, the surface must not be wet and be absolutely free of dust, debris, grease, paint
- Smooth surfaces must be roughened by mechanical methods
- Rusty iron and steel surfaces must be cleaned by adchem Ferriclean rust remover / sandpaper / wire brush.

Mixing

- Pour component B into the can of component A. Mix well and scrape the can cleanly and mix until when the colors are combined. If the area is small, mix enough material to use each time with the mixing ratio of components A and B is 2:1.
- The working time of **Acobond E68** is about 40 minutes, it can be increased or decreased slightly depend on the environment temperature.

Construction

- **Anchoring steel into concrete:**

The diameter of the anchor hole which be drilled should be 4.0mm larger than the diameter of the metal anchored into the concrete. The depth of the hole should be 10 to 15 times the diameter of the object being anchored. Fill the anchor hole with **Acobond E68**, then insert the anchor rod into the hole and then fill out the anchor hole.

- **Filling and repairing concrete crack:**

Widen and cut the crack into a V shape, clean the crack. Fill the crack with **Acobond E68** glue by a plastic or steel putty knife, then use a trowel to smooth the glue surface.

- **Pasting tile and stone:**

Clean the concrete surface before apply **Acobond E68** glue to the concrete surface and pull with a notched trowel, then apply the tile or stone on top.

Note

- Do not add solvent when using
- Mix each batch completely
- Do not apply when concrete temperature is below 5°C within 24 hours
- Do not use to fill cracks with water pressure
- Always wear gloves when applying. Be careful of the heat emission from excess **Acobond E68** mixture during curing.

Cleaning regulations

- Clean equipment and tools immediately after use with Toluene or Xylene
- Keep away from flammable areas when cleaning
- Avoid inhalation of solvent fumes and skin contact
- Wash hands with soap and clean water after use.

For any information related to the product, please contact adchem's sales or the technical department.



adchem Joint Stock Company

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