

COPOX COLLE 2/1

EPOXY GLUE FOR CONSTRUCTION JOINTS



Update on 07/29/2025

Properties

COPOX COLLE 2/1 comes in the form of a trowelable and thixotropic paste, obtained by mixing the 2 pre-dosed components (ratio 2/1).

COPOX COLLE 2/1 consists of a solvent free epoxy system with mineral fillers.

COPOX COLLE 2/1 is suited for gluing concrete/concrete, concrete/steel with the following characteristics :

- Very high adhesion,
- Adhesion to dry and wet surfaces,
- Impermeability to water vapor,
- High mechanical resistance to abrasion and impact,
- Chemical resistance (base and diluted acids, oils),
- Resistant to freeze thaw cycles,
- Non-shrinking.

Domains of application

- Gluing of prefab parts : voussoirs, curb stones, window sills...
- Gluing of support studs,
- Grouting and anchoring,
- Crack repair,
- All general bonding : concrete/concrete, concrete/metal, wood/concrete, concrete plug/PVC pipe,
- Bonding of carbon reinforcements (lamellas),
- Waterproofing bonding : fiber-reinforced concrete plug/fiber-reinforced concrete pipe.

Characteristics

Component A	Epoxy resin
Component B	Polyamine hardener
Colour A+B	Grey-concrete
Application thickness	2 mm minimum
Support/application temperatures	+ 10°C à + 25°C
Minimal curing temperature	+ 5°C
Pot life at 20°C	90 min

Use

Condition of substrates :

Clean, dust-free, and free of all loose and friable parts.

Concrete surfaces will be stripped with a steel brush and remove dusted.

Metal surfaces will be sandblasted.

Preparation :

Add component A to component B in a metal container (exothermic reaction).

Mix thoroughly with a slow turning electric drill equipped with a paddle (300 rpm).

Ensure yourselves no poor mixed materials sticks to the wall or the bottom of the recipient.

To ensure easy mixing store the component prior to mixing at ambient room temperature.

Partial mixing, respecting the 2/1 ratio :

Change utensils when removing from each box.

In low temperatures, it is best to store both components at a temperature of +5°C to +35°C.

Application :

COPOX COLLE 2/1 depending on its use can be applied with tooth spatula, glue comb or trowel.

Assemble the pieces in the freshly applied glue layer.

Special attention to :

The assembled elements will be held in place, using any suitable system, during the drying period.

Cracks will be cut at a 45° angle.

Cleaning :

Clean tools with ethyl acetate before COPOX COLLE REPRISE hardens.

Cured product residue must be removed mechanically.

Performances

Adhesion on steel	> 10 N/mm ²
Adhesion to concrete	> than the material cohesion
Compressive strength	> 10 N/mm ²
Flexural strength	> 10 N/mm ²
Thermal resistance	60 °C

Proportion

Average consumption : 1,5 kg / m² / mm layer thickness.

Safety

Refer to the safety data sheet.

Storage

24 months in hermetically packaging, in a dry and temperate place.

Packaging

Kit of 3 kg (A= 2 kg, B= 1 kg)
Kit ok 6 kg (A= 4 kg, B= 2 kg)

The data sheets are written in French. The English version is provided for informational purposes. In case of conflict, only the French version shall prevail between the parties.

The information provided in this document is for guidance only and reflects our current knowledge. We shall not be responsible or liable for any improper or inappropriate use of our products.

Given the wide range of possible uses, our recommendations do not exempt users from carrying out their own tests. Our laboratory and technical department will be happy to provide you with any information you may require.

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