

# MATERIALI EDILI

## IRONCLAD AND METALLIC TWO-COMPONENT EPOXY ADHESIVE



### PRODUCT DESCRIPTION

Ironclad and metallic two-component epoxy adhesive.

### FIELD OF APPLICATION

Ideal for strong repairs of metal objects which must withstand extreme conditions (forces, vibrations, (sea)water, heavy load), such as tools, car parts, engines, (motor)bikes, metal (garden) fencing and cutlery. Also suitable for sealing a small hole in a radiator. Suitable for bonding of metal (steel, aluminium, iron) together and in combination with stone, wood, concrete, and various synthetics (such as formica, polyester and bakelite). Not suitable for Polyethylene (PE), polypropylene (PP), PTFE and silicone rubber.

### PROPERTIES

- Extreme strength: up to 220 kg/cm<sup>2</sup>
- Metal coloured
- Resistant to harsh conditions
- Resistant to temperatures between -40°C and +100°C
- Filling
- (Sea)water resistant
- Very good chemical resistance
- Can be sanded, filed, drilled and painted after curing

### PREPARATION

**Working conditions:** Only apply at temperatures between +5°C and +35°C.

Product cures by mixing the resin and hardener.

**Personal safety:** Preferably wear gloves.

**Surface requirements:** The materials to be bonded must be dry, clean, free of dust and grease.

**Preliminary surface treatment:** Degrease parts to be bonded with acetone. Roughen smooth surfaces (sandpaper).

**Tools:** Mix the components by means of the supplied mixing bowl and spatula.

### APPLICATION

**Coverage:** 1 ml = approx 1 cm<sup>2</sup> at a film thickness of 1 mm

#### Directions for use:

Press out an equal amount of both components onto the enclosed mixing tray. Mix these two equal parts well with a synthetic spatula until a mixture is obtained with a homogeneous colour. Apply the mixture, which at room temperature (+20°C) remains toolable for about 45 minutes, as a thin layer on one of the two materials. Join the materials and keep them in place for 10 hours. Be careful not to move the parts before the adhesive has cured. Resin and hardener must not come into contact with each other unless for usage.

**Stains/residue:** Remove wet stains immediately with warm water and soap. Cured adhesive residue can only be removed mechanically.

**Advice:** Some types of synthetics can not be joined such as polyethylene and polypropylene. This can be tested by holding a glowing copper wire against the synthetics. Does it smell of wax? Then you can not bond it.

Use a piece of adhesive tape in order to keep the parts in place while the adhesive is curing.

**Points of attention:** Close well after use. For optimum performance it is important to create a larger amount of adhesive and mix it very well. Curing time depends on the temperature. Adhesive does not cure below +5°C.

### TECHNICAL PROPERTIES

**Water resistance:** Good

**Filling capacity:** Good

### TECHNICAL SPECIFICATIONS

**Colour:** Grey

**Viscosity:** approx. 0 mPa.s., Pasty

**Solid contents:** approx. 100 %

**Density:** approx. 1.2 g/cm<sup>3</sup>

### STORAGE CONDITIONS

At least 24 months after date of manufacture. Limited shelf life after opening. Store cool, dry, frost-free and tightly closed.