



# ACCIAIO RAPIDO®

## SUPER-FAST AND METALLIC DUAL-COMPONENT EPOXY ADHESIVE



### PRODUCT DESCRIPTION

Super-fast and metallic coloured dual-component epoxy adhesive.

### FIELD OF APPLICATION

Ideal for fast and strong repairs of metal objects that must withstand extreme conditions (forces, vibrations, (sea)water, heavy load), such as tools, car, engine, (motor)bike parts, metal (garden) fencing and cutlery. Also suitable for sealing a small hole in a radiator. Suitable for bonding 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 180 kg/cm<sup>2</sup>
- Super-fast: 5 min
- Metal coloured
- Resistant to temperatures between -40°C and +90°C
- Resistant to harsh conditions
- Filling
- (Sea)water resistant
- Very good chemical resistance
- Can be sanded, filed, drilled and painted after curing

### PREPARATION

**Working Conditions:** Recommended application at temperatures between +10°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 10 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 10 minutes, as a thin layer on one of both materials. Join the materials and keep them in place for 2 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.

Our advice is based on extensive research and practical experience. However, in view of the large variety of materials and the conditions under which our products are applied, we assume no responsibility for the results obtained and/or any damage caused by the use of the product. Nevertheless, our Service Department is always at your disposal for any advice needed.



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### TECHNICAL SPECIFICATIONS

Chemical base:	Epoxy Resin
Chemicals resistance:	Water, oil, grease, solvents, diluted acids and alkalis
Colour:	Grey
Consistency:	Pasty
Density approx.:	1,2 g/cm <sup>3</sup>
Filling capacity:	Good
Final bond strength (Alu):	18 N/mm <sup>2</sup>
Final bond strength after:	60 minutes
Handling time:	20 min
Minimum temperature resistance:	-40 °C
Maximum temperature resistance:	90 °C
Moisture resistance:	Good
Mixture ratio:	1:1
Paintability:	yes
Potlife:	5 min
Solvent free:	Yes
UV resistance:	Good
Water resistance:	Good

### STORAGE CONDITIONS

At least 24 months after date of manufacture.

Limited shelf life after opening.

Store cool, dry, frost-free and tightly closed.

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