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Strong Rapid

Epoxy based, two component adhesive ideal for fast, strong and invisible repairing of pottery, porcelain, glass, leather, wood, stone, metal and ceramics to themselves or to each other.

The adhesive joint is resistant towards water, normal household chemicals and solvents of different types.

Can be over painted.

- High shear and peel strength
- Withstand temperatures up to approximately 100° C
- Ideal for filling cracks thanks to filling capacity
- Good choice when bonding between tight materials
- Rapid curing
- Very good long term performance
- Crystal clear

Name	Size
Epoxy Strong Rapid	2 x 12 ml
Epoxy Strong Rapid	2 x 15 ml
Epoxy Strong Rapid	2 x 100 ml

TECHNICAL DATA

Basis:

Resin: Epoxy resin
Hardener: modified amine

Solvent: None

Consistency: Liquid

Density: Approx. 1160 kg/m³

Dry solid: 100%

Appearance: Transparent

Service temperature: -40°C to +100°C

Flash Point: >100°C

APPLICATION DATA

Application temperature: +5°C - +35°C.

Tools: Plastic spatula for mixing and application.

Pot life: After mixing resin and hardener, the mixture must be used within 5 minutes at 23° C.

Mix ratio: Equal parts of resin and hardener (by volume or weight).

Handling time: Approx. 20 minutes

Curing time: Approx. 1 hour. Curing takes longer at lower temperatures, and shorter at higher temperatures.

Coverage: 24 ml = approx. 240 cm² (coat of 1 mm).

Storage life: At least 24 months after date of manufacture (can be read on the top of the syringe/syringe holder (4 digit code: week: 01-52 Day: 1-5 Year. 2-).
Not sensitive to freezing.

SURFACE PREPARATION

The surfaces to be glued must be clean, dry and free from grease. For even better bonding; slightly roughen surfaces with sandpaper. Remove the dust. Glass should be washed with an alkaline detergent, rinsed in clean water and allowed to air-dry.

DIRECTIONS FOR USE

SYRINGE PACK

Cut the ends from the nozzles where marked. After use – don't forget to seal the nozzles with the cap located in the plunger handle, the cap will only fit in the right way.

TUBES

The tubes are opened by pressing the points of the caps through the metal membranes. After use; put the caps back on the tubes again. Be sure the caps are not interchanged.



Remove spatula from side of double syringe and cap from handle. Break safety seal of double syringe. Dispense equal quantities of both parts into enclosed mixing tray. Mix well using enclosed spatula. At room temperature (+20°C), mixture remains workable for approx. 5 minutes. Apply a thin layer to one surface.

It is important that the adhesive covers the whole surface to be glued. For this reason a thin layer of adhesive is recommended to be applied on the two surfaces to be glued. This is especially important if the surfaces are uneven.

Join immediately and hold in place for 20 minutes. Do not move bonded parts until after complete cure. After use, clean nozzles with a cloth and place special double cap from handle on double syringe. Resin and hardener should not be in contact when not in use.

Full strength is obtained after 16 hours.

Heat-curing will shorten the curing time and make the joint stronger.

Note! The yellowing of the product will increase with heat curing.

TIMES TO MINIMUM SHEAR STRENGTH

Temperature °C	10	15	23	40	60	100
Cure time to reach LSS > 1 N/mm ²	35	20	20	5	2	<1
Cure time to reach LSS > 10 N/mm ²	120	70	61	25	10	2

LSS = Lap shear strength

Note! Professional application with heat, always use an oven with a pressure below that of the atmosphere

LIMITATIONS

Not suitable for gluing Polyethylene (PE), Polypropylene (PP) and silicone rubber.

HANDLING AND CLEANING INSTRUCTIONS

When working with adhesive, cleanliness must be observed. Therefore always work carefully and systematically in order to avoid unnecessary spillage. Remove fresh stains immediately with warm water and soap.

Cured adhesive can only be removed mechanically.

On skin, uncured adhesive is wiped off with a rag, then wash with soap and water.

Keep out of reach of children.

Do not empty into drains.

ENVIRONMENTAL ASPECTS

For additional health and safety information consult the Safety Data Sheet.

Our information is based on laboratory tests and practical experience and may, as such, be considered a guide in connection with choice of product and working method. As the user's working conditions are beyond our control, we do not assume any responsibility for the results. Our responsibility covers exclusively personal injury or damage to property which actually have been proved subsequent to faults and defects in one of the products manufactured by us.

Certifierad enligt:



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