83A Repair All Epoxy Stick

Technical data

Basis	Two-component epoxy resin
Consistency	Moldable paste
Curing system	Chemical curing
Hardness**	80 +/-5 Shore D
Application time	Ca. 5 min
Full curing	24 hours
Shear strength**	5 N/mm² on steel
Can be loaded after*	Ca. 45 min
Temperature resistance**	Till +120°C continuously Till +150°C shortly
Application temperature	15 °C → 25 °C
Compressive strength**	85 N/mm²

* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates. ** This information relates to fully cured product.

Product description

83A Repair All Epoxy Stick is a fast curing, 2-component putty based on epoxy resin.

Properties

- Universal applications
- Applicable on wet surfaces and under water
- Fast curing
- High adhesive strength
- No shrinkage
- Paintable
- Can be treated mechanically after curing (drilling, sawing, milling, sanding, polishing, tapping etc.)

Applications

- Suitable for restoring, filling, sealing and bonding of almost all materials such as wood, metal (pipes, tanks), stone, concrete, plaster, porcelain, glass, plastic etc.
- Suitable for both emergency and permanent repairs.

Packaging

Colour: grey-white
Packaging: kneading bar of 60 grams in a plastic tube

Shelf life

18 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C. Opened packaging, tightly closed and wrapped with plastic and kept cool can be stored for another 12 months.

Chemical resistance

Good resistance to (salt)water, aliphatic solvents, hydrocarbons, ketones, esters, alcohols, diluted mineral acids and alkalis.

Substrates

Substrates: many porous substrates, concrete, stone, metals, glass, plastics
Nature: rigid, clean, dry, free of dust and grease.
Surface preparation: Slightly grinding smooth non-porous surfaces can improve the adhesion.
There is no adhesion on PE, PP, PTFE (Teflon®) and bituminous substrates. We recommend a preliminary adhesion test on any substrate.

Application method

Application method: Cut off the required amount of Repair All Epoxy Stick and mould it until a homogeneous colour is achieved. Apply the kneaded paste as soon as possible to the

Remark: This technical data sheet replaces al previous versions. The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. Since the design, the quality of the substrate and processing conditions are beyond our control, no liability under this publication is accepted. In every case it is recommended to carry out preliminary experiments. Soudal reserves the right to modify products without prior notice.

surface. When used on moist surfaces or in case of a leakage, continue pressing the putty for several minutes until the initial bond takes place. The paste cures after 15 to 20minutes and forms a solid adhesion. Application at low temperature prolongs the curing time. After app. 45minutes the Repair All Epoxy Stick has cured sufficiently to be treated further.
Cleaning: 83A Repair All Epoxy Stick can be removed before curing from tools and material with Soudal Adhesive Cleaner 90A, Swipex or white spirit. Cured 83A Repair All Epoxy Stick can only be removed mechanically.
Repair: With the same material.

Health- and Safety Recommendations
Take the usual labour hygiene into account. Preferably wear plastic gloves. After contact with skin rinse immediately with soap and water. Keep out of reach of children. Consult label and material safety data sheet for more information.
Dangerous. Respect the precautions for use.

Remark: This technical data sheet replaces al previous versions. The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. Since the design, the quality of the substrate and processing conditions are beyond our control, no liability under this publication is accepted. In every case it is recommended to carry out preliminary experiments. Soudal reserves the right to modify products without prior notice.