



Ultra Repair Adhesive

Product description

Ultra Repair Adhesive is a high quality, crystal clear, neutral, elastic, one-component adhesive based on SMX-Polymer.

Properties

- Crystal clear formulation
- Very strong
- Fast strength build-up
- Very good adhesion on many materials
- Permanently elastic after curing
- Solvent free
- Low odour
- In and outdoor use

Applications

- All common bonding applications, both in and outdoor
- Bonding of transparent materials



Technical data

Base	SMX Hybrid Polymer
Consistency	High viscous fluid
Curing system	Moisture curing
Skin formation	ca. 5 minutes
Curing speed	2 mm/24h → 3 mm/24h
Density	ca. 1.08 g/ml
Hardness	ca. 60 ± 5 Shore A
Shear strength	ca. 3.30 N/mm ²
Application temperature	+5°C → +35°C
Temperature resistance	-40°C → +90°C

Footnote: Skinning time and curing speed may vary depending on environmental factors such as temperature, moisture, and type of substrates.

Substrates

- Substrate condition
The materials should be flat and well fitting as well as clean, dry and free of dust and grease.
- Substrate types
Ultra Repair Adhesive has a good adhesion to following substrates: all usual building substrates, glass, lacquered wood, ceramic, leather, metal, brick, concrete, many non-porous and porous substrates like wood, carton, laminate, etc..., etc.. Ultra Repair Adhesive has no good adhesion or is not suitable for PE, PP, PMMA, Nylon, PTFE (Teflon®), bituminous substrates, copper or copper containing materials such as bronze and brass. We recommend a preliminary adhesion and compatibility test on every surface.

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Application method

- Application method
Join parts together and press for 60 to 120 minutes. Do not load the bonded parts for the first one and a half hour.
- Cleaning method
Clean with Soudal Surface Cleaner or with Soudal Swipex Wipes, immediately after use. Cured product can only be removed mechanically.
- Repair method
Repair with Ultra Repair Adhesive.

Health- and Safety Recommendations

Take the usual labour hygiene into account. Consult the packaging label and safety data sheet for more information.
Keep the area well ventilated during use and curing of the product.
Dangerous. Respect the precautions for use.

Packaging/Logistics

Colour: Transparent

Packaging: Please consult the product catalogue, the Soudal website or a Soudal representative.

Shelf life: 12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C, Once opened the product has only a limited shelf life.

Environmental clauses

- Leed regulation: Ultra Repair Adhesive conforms to the requirements of LEED. Low -Emitting Materials: Adhesives and Sealants. SCAQMD rule 1168. Complies with USGBC LEED 2009 Credit 4.1: Low-Emitting Materials – Adhesives & Sealants concerning the VOC-content.

Remarks

- Ultra Repair Adhesive is paintable with most waterbased paints, however due to the large number of paints and varnishes available we strongly suggest a compatibility test before application.
- The drying time of alkyd resin based paints may increase.
- Ultra Repair Adhesive can be applied to a wide variety of substrates. Due to the fact that specific substrates such as plastics, like polycarbonate , etc., may differ from manufacturer to manufacturer, we recommend a preliminary compatibility test.
- Do not use in applications where continuous water immersion is possible.
- Ultra Repair Adhesive can not be used as a glazing sealant.
- Not suitable for bonding aquariums.
- Do not use on natural stones like marble, granite,...(staining).
- A total absence of UV can cause a color change of the sealant.
- Discoloration of the product due to chemicals, high temperatures, UV-radiation may occur.
- Contact with bitumen, tar or other plasticizer releasing materials such as EPDM, neoprene, butyl, etc. is to be avoided since it can give rise to discoloration and loss of adhesion.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.
- Ultra Repair Adhesive can discolour under extreme conditions or after very long UV exposure.

This technical data sheet replaces all 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. It is general in nature and does not constitute any liability. 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. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application. In every case it is recommended to carry out preliminary experiments. The manufacturer reserves the right to modify products without prior notice.