



# **Ultra Repair Adhesive**

Revision: 12/10/2017 Page 1 from 2

#### **Technical data**

Basis	SMX Hybrid Polymer
Consistancy	Liquid paste
Curing system	Moisture curing
Skin formation* (20°C / 65% R.H.)	Ca. 8 min
Hardness	30 ± 53 Shore A
Density	Ca. 1,10 g/ml
Max. tension (DIN 53504)	> 4,00 N/mm²
Elongation at break (DIN 53504)	> 150 %
Curing time	End strength achieved after 24 hours
Temperature resistance	-40 °C → 90 °C
Application temperature	$5 ^{\circ}\text{C} \rightarrow 35 ^{\circ}\text{C}$

<sup>(\*)</sup> these values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

#### **Product description**

Ultra Repair Adhesive is a high quality, transparent, neutral, elastic, single component adhesive based on SMX® technology.

#### **Properties**

- Extremely strong.
- Transparent formula
- Fast strength build-up, can be stressed after 1,5 hour.
- Filling capacity.
- Adheres on many surfaces
- Permanently elastic after curing
- Solventfree
- Odorless
- In and outdoor use

# **Applications**

- Bonding of the most common materials such as rubber, leather, artificial leather, cork and plastics to several substrates or to itself.
- Bonding of transparent materials as glass, polycarbonate and PMMA.
- Bonding of porcelain, pottery, gemstones,...

## **Packaging**

Colour: transparent Packaging: 20 ml tube

#### Shelf life

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

### Chemical resistance

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

## **Substrates**

Substrates: a variety of porous and non-porous materials, glass, wood, ceramic tiles, metals, stone, concrete, carton, some synthetic materials (NOT nylon and PMMA), leather Nature: clean, dry, free of dust and grease. The to be bonded materials should be flat and well fitting as well as clean, dry and free of dust and grease.

Surface preparation: The surfaces should be degreased before bonding them together. There is no adhesion on PE, PP, PTFE (Teflon®) and bituminous substrates. We recommend a preliminary adhesion test on any substrate.

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.

 Soudal NV
 Everdongenlaan 18 - 20
 BE-2300 Turnhout

 Tel: +32 (0)14-42.42.31
 Fax: +32 (0)14-42.65.14
 www.soudal.com





# **Ultra Repair Adhesive**

Revision: 12/10/2017 Page 2 from 2

## **Application method**

Join the parts together and press for 60 to 120 minutes. Do not load the bonded parts for the first one and a half hour.

Application method: Surfaces must be cleaned, degreased and dry.

Cleaning: With Fix ALL Cleaner immediately

after use.

Repair: With the same material

### **Health- and Safety Recommendations**

Take the usual labour hygiene into account. Consult label for more information.

#### Remarks

- Ultra Repair Adhesive may be overpainted with water based 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 preliminary compatibility test.
- Ultra Repair Adhesive can not be used as a glazing sealant.
- Ultra Repair Adhesive has a good UV resistance but can discolour under extreme conditions or after very long UV exposure.
- Ultra Repair Adhesive cannot be used on porous materials such as natural stone because of the risk of staining.
- Support may be required on a vertical fixing or for heavy components. If necessary support until adhesive is completely cured.

#### Liability

The content of this technical data sheet is the result of tests, monitoring and experience. It is general in nature and does not constitute any liability. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application.

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.

 Soudal NV
 Everdongenlaan 18 - 20
 BE-2300 Turnhout

 Tel: +32 (0)14-42.42.31
 Fax: +32 (0)14-42.65.14
 www.soudal.com