

FIX ALL ULTRA

Revision:20/09/06

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Technical Characteristics:

Base	SMX ®
Consistency	Paste
Curing System	Moisture Cure
Skin Formation (*)	Approx. 2 min. (20°C/65% R.V.)
Repositionable	Within the first 5 minutes
Hardness	30 ±5 Shore A
Specific Gravity	1,05g/ml
End Strength(*)	After 24 hours
Maximum Load	Up to 4,5 N/mm ² (**)
Temperature Resistance (fully cured)	-40°C until +90 °C
Elasticity Modulus 100 %	1,1 N/mm ² (DIN 53504)
Tear Strength	4,5 N/mm ² (DIN 53504)
Elongation at break	250% (DIN 53504)

(*) these values may vary depending on environmental factors such as temperature, moisture, and type of substrates

(**) depending on the nature of the substrates

Product:

Fix All Ultra is a transparent, neutral, elastic, single component adhesive based on SMX® technology.

Characteristics:

- Extremely high bond strength
- Transparent
- Very fast curing, bonded surfaces can be loaded after 1,5 hour
- Can be applied on uneven surfaces
- Very wide adhesion spectrum
- Remains elastic after curing
- Solvent free
- Odourless
- Interior and exterior use

Applications:

- Bonding of the most common materials such as rubber, leather, artificial leather, cork, textile, glass, metal, and many hard and soft plastics to several substrates or to itself.
- For bonding of transparent materials such as ABS, Plexiglas, glass, PMMA
- Bonding of porcelain, ceramic, etc.

Packaging:

Colour: transparent
Packaging: tube 20 ml

Shelflife:

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

Instructions:

Degrease both parts before glueing, apply Fix All Ultra in thin layer onto one side, press parts firmly* together but do not squeeze out all the adhesive. Do not load or move the assembled parts during the first hour.

Substrates:

Nature: various porous and non-porous substrates such as glass, ceramic, stone, metal, plastics, leather, wood, etc.

Not suitable for PE, PP, PTFE .

State of Surface: : the to be bonded materials should be flat and well fitting as well as clean, dry and free of dust and grease. Large tolerances will cause a longer curing time and a lower final bond strength.

We recommend preliminary compatibility tests previous to application.

Remark: 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. In every case it is recommended to carry out preliminary experiments.

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Applying the adhesive:

Method: apply the adhesive to one of the to be bonded substrates. Join the parts together and press for 1 - 2 hours.

Application temperature: between +1°C and +30°C

Clean: Uncured Fix All Ultra may be removed from materials and tools with Fix All Cleaner or with Swipex Cleaning Wipes. Cured adhesive must be removed mechanically.

Repair with: Fix All Ultra

Resistance to chemical agents:

Good resistance to water, aliphatic solvents, mineral oils, grease, diluted inorganic acids and alkalis.

Poor resistance to aromatic solvents, concentrated acids, chlorinated hydrocarbons.

Health- and Safety Recommendation:

Apply the usual industrial hygiene.

Remarks:

- Due to the wide variety of possible substrates, a preliminary compatibility test is recommended
- Fix All Ultra discolours under the influence of UV and in dark areas.
- Do not use Fix All Ultra on very porous substrates such as natural stones because of staining
- Support may be required on a vertical fixing or for heavy components. If necessary support until adhesive is completely cured

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