

Compact Fix and Bond

Revision: 14/09/2022

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Technical data

Basis	Polyurethane
Consistency	Stable foam, thixotropic
Curing system	Moisture curing
Skin Formation (EN 17333-3)	8 min
Full curing	About 12 hours
Cutting Time (EN 17333-3)	65 min
Sound insulation (EN ISO 717-1)	58 dB
Thermal conductivity (EN 17333-5)	35,4 mW/m.K
Box Yield (EN 17333-1)	150 ml yields ca. 4 l of foam
Shear strength (EN 17333-4)	Ca. 43 kPa
Tensile strength (DIN EN 1607)	0,190 N/mm ²
Tensile Strength (EN 17333-4)	Ca. 78 kPa
Temperature resistance**	-40 °C till +90 °C (cured)

** This information relates to fully cured product.

Product description

Compact Fix and Bond is a ready-to-use, single component, self-expanding polyurethane adhesive for the clean, efficient and economical permanent bonding of small materials and decorative elements.

It has been fitted with the unique Compact system for fast use and maximum comfort during application.

Properties

- Easy and fast to apply (saving of up to 30 % in labour time).
- Excellent initial bond, even at low temperatures.
- Compact system for fast and easy in use.
- Economical in use due to precise application.
- Good adhesion on all surfaces (except PE, PP and PTFE).
- Suitable for vertical applications.
- Levels uneven surfaces.
- Open time: Max 8 min
- Remains flexible, does not become brittle.
- Substantial space and weight savings compared to conventional PU adhesives, bonding mortars, etc.
- Fast curing and trimmed after 1 hour.
- Solvent free

- Resistant to a variety of solvents, paints and chemicals.
- Does not age or rot, mould and mildew resistant, but not UV resistant
- Water repellent but not waterproof.

Applications

- Suitable for small fixing and bonding applications (horizontally and vertically).
- Bonding of skirting boards to walls.
- Bonding of decorative elements to walls and ceilings.
- Fills cavities between individual thermal insulation panels.

Packaging

Colour: orange

Packaging: 150 ml aerosol (net)

Shelf life

18 months unopened and stored in dry and cool conditions (Between 5 and 25 °C), Upright storage is recommended.

Remark: 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. 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.

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Application method

Prior to using the product, cover all adjacent areas for protection against soiling. In windy conditions, precautions must be taken to ensure that Compact Fix and Bond cannot contaminate components, objects or persons in the vicinity. Good ventilation must be ensured for indoor use. Wear protective goggles and gloves. Remove the clip from the adapter and shake the can about 20 times downwards so that the contents are mixed well. After extended periods of non-use, the can must be shaken again to obtain the required adhesive quality! The can must be held vertical during application.

A distance of 1 to 2 cm must be maintained between the nozzle of the Compact straw nozzle and the substrate while spraying. Apply pressure to the panel within about 8 minutes (20°C-65% R.H. – this time is shorter at higher temperature/humidity and longer at lower temperature / humidity). Do not tap or remove and reapply panels as this will damage the adhesive structure and reduce the adhesive strength substantially. At high temperatures and low humidity in particular, curing can be accelerated by lightly spraying the adhesive bead with water.

The can must be held vertical during application. Apply a circular bead of Compact Fix and Bond to the material with enclosed M/W to cover an adhesive area of minimum 40% with pressure applied. Wait at least 2 to maximum 8 minutes (20°C/65% R.H. – this time is shorter at higher temperature/humidity and longer at lower temperature/humidity) and subsequently press the panel against the wall. Installed insulation panels can be adjusted with a long spirit level after 10 to 15 minutes to correct any post expansion of the adhesive.

General note: Do not load/subject the bond to traffic within the curing time of about 2 hours! All open joints within the materials can be filled out with Compact Fix and Bond. Trim protruding, fully cured adhesive with a sharp knife. Compact Fix and Bond can be painted or plastered after curing.

Cleaning: with Gun and Foamcleaner or Swipex prior to curing, subsequently with PU Remover or remove mechanically.

Can temperature: +5 °C - 30 °C
Ambient temperature: +5 °C - 30 °C.
Surface temperature: +5 °C - 35 °C

Health- and Safety Recommendations

Take the usual labour hygiene into account. Always wear gloves and goggles. Remove cured foam mechanically. Never burn away. Consult label and material safety data sheet for more information. When vaporizing (for example with a compressor), additional security measures will be required. Use only in well ventilated areas.

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