

SOUDABOND EASY GUN

Revision: 1/04/2024

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Technical Data

Basis	Polyurethane
Consistency	Stable adhesive foam (does not sag)
Curing System	Moisture cure at room temperature
Skin formation time (23°C/50% R.H.) (min)*	About 8 minutes - 30 mm adhesive bead
Curing speed *	About 30 minutes - 30 mm adhesive bead
Can be trimmed*	About 50 minutes - 30 mm adhesive bead
Full strength*Post expansion	About 12 hours - 30 mm adhesive bead
Tensile strength (DIN EN 1607) (N/mm ²)**	minimal
Shear strength (DIN EN 12090) (N/mm ²)	0.190.142
Shear modulus (DIN EN 12090) (N/mm ²)	0.489
Temperature Resistance (°C)**	-40 to +90 (cured)

* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates. *

* This information relates to fully cured product.

Description:

Soudabond easy is a ready-to-use, single-component, self-expanding polyurethane adhesive for clean, efficient, and economical permanent bonding of insulation panels and plasterboard in building and construction. With a combination of a special formulation and the Soudal Mega Adapter, the yield is increased and the yield of cured foam has almost no expansion after extrusion.

Properties:

- Cuts working time by up to 30%.
- Excellent initial bond, even at low temperatures.
- One can covers up to 12 m² of insulation.
- Suitable for vertical applications.
- Can be applied at temperatures between +5°C and +35°C.
- Thermal conductivity 0.035 W/m.K enhances performance of insulation panels when filling gaps.
- Remains flexible, does not become brittle.
- Levels uneven surfaces.
- Limited post expansion for fast and precise installation of insulation panels and plasterboard.
- Substantial space and weight savings compared to conventional PU roof adhesives, bonding mortars, etc.
- Fast curing, work can continue about 1 hour after application.
- Solvent-free.

- Resistant to a variety of solvents, paints, and chemicals.
- Does not age or rot, mold and mildew resistant, but not UV resistant.
- Water resistant (not watertight).
- Building material class E according to EN 13501-1.

Packaging:

Colour: Orange

Packaging: 750 ml aerosol can (12 per box)

Applications:

- Clean, efficient, and economical permanent bonding of insulation panels.
- Suitable for bonding polystyrene (EPS + XPS), polyurethane (PUR/PIR), and phenol resin foam-based insulation panels for flat roofs, perimeters, facades, insulation/drain elements, cellar ceilings, internal insulation, etc.
- Suitable for bonding gypsum plasterboard/gypsum fiberboard in dry lining applications.
- Suitable for bonding non-load bearing walls, e.g., partition walls, screen walls, cellar bars, stone shelves, etc., of concrete precision blocks. (aerated concrete, sand-lime brick, gypsum, hollow bricks...).
- Fills cavities between individual thermal insulation panels.

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.

Soudal India Pvt. Ltd.

Plot No. 200, Sec. 4, Phase - II, Growth Centre, Bawal, Dist. Rewari, Haryana - 123501 (India)

info@soudal.in | www.soudal.in | +91 8010-114-114

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12 months from date of production in unopened packaging with cool (+5 °C to +25 °C) and dry storage. Cans must be stored upright to prevent blockage of spray valve. Once opened, keep container tightly closed and use within a short period.

Health and Safety Recommendations:

Observe the standard industrial hygiene procedures. Wear protective goggles and gloves. Remove cured adhesive mechanically; never remove with a flame. Use only in well-ventilated areas. For further information on product safety and handling, refer to the information on the container.ion.

Substrates:

All usual substrates such as concrete, masonry, stone, plaster, wood, cold bituminous thick coatings, sand or slate surfaced bituminous sheeting, polystyrene, polyurethane, and phenol resin foam, corrosion-protected steel sheeting, fiber cement, gas concrete, particle board, plasterboard, gypsum fiberboard, fiber cement, hard PVC, and emulsion paints. Adhesive surfaces must be stable, clean, without bubbles, and free of separating agents such as talcum, grease, oils, etc. Suitable are building moist, but not wet (water film, standing water) substrates. Any cement slurries and sinter layers on mineral substrates must be removed mechanically. Bubbles in bituminous sheeting must be removed. To ensure perfect adhesion, the bituminous sheeting should have a fully covered surface. Does not adhere to PE, PP, PTFE, and silicone. All substrates should be tested for suitability with regard to adhesion and compatibility.

Applying Method:

Prior to using the product, cover all adjacent areas for protection against soiling. In windy conditions, precautions must be taken to ensure that SOUDABOND EASY cannot contaminate components, objects, or persons in the vicinity. Good ventilation must be ensured for indoor use. Wear protective goggles and gloves. Screw the straw to valve and shake the can about 20 times downwards so that the contents are mixed well to ensure an optimum adhesive quality and high yield. 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 straw nozzle and insulation panel/substrate while spraying. Apply pressure to the insulation 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.

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

Application temperature: +5°C to +35°C (adhesive surface temperature) +5°C to +25°C (can temperature) – optimal +15 to +25°C. If required, slowly bring the can to the optimal temperature by placing in cool or warm water. Cleaning: with GUN & FOAM CLEANER or SWIPEX prior to curing, subsequently with PU REMOVER or remove mechanically.

Repair option: with SOUDABOND EASY.

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