



Soudabond Plasterboard Gun

Product description

Soudabond Plasterboard Gun is a ready-to-use, single component, self-expanding polyurethane adhesive for clean, efficient and economical permanent bonding of plasterboard in building and construction. Because of the Duravalve, the optimal yield remains over the entire shelf life, even when stored or transported lying down.

Properties

- Cuts working time by up to 30%
- Excellent initial bond, even at low temperatures
- Economical in use due to precise application
- Can be applied at temperatures between +5 °C and +30 °C
- One can covers up to 14 m² of insulation
- Suitable for vertical applications
- Good thermal conductivity which 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 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, mould and mildew resistant, but not UV-resistant
- Water resistant (not watertight)



Applications

- Clean, efficient and economical permanent bonding of panels.
- Suitable for bonding gypsum plasterboard/gypsum fiberboard in dry lining applications.
- Fills cavities between individual thermal insulation panels.

Technical data

Base		Polyurethane
Consistency		Stable foam, thixotropic
Curing system		Moisture curing
Skin formation	EN 17333-3	ca. 8 minutes
Can be trimmed	EN 17333-3	ca. 30 minutes
Curing speed		ca. 1 hours - 30 mm adhesive bead
Full strength		ca. 12 hours - 30 mm adhesive bead
Thermal conductivity (λ)	EN 12667	0,035 W/m.K
Postexpansion		Minimal
Shear strength	EN 12090	0,142 N/mm ²
Shear modulus	EN 12090	0,489 N/mm ²
Tensile strength	EN 1607	0,19 N/mm ²



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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

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.

■ Substrate types

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, fibre cement, gas concrete, particle board, plasterboard, gypsum fiberboard, fibre cement, hard PVC and emulsion paints.

■ Not suitable substrates

PE PP PTFE (Teflon®) silicone

Application method

■ 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 Soudabond Plasterboard Gun cannot contaminate components, objects or persons in the vicinity. Good ventilation must be ensured for indoor use. Wear protective goggles and gloves. Tightly screw the can to the thread in the gun and shake the gun 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 gun must be shaken again to obtain the required adhesive quality! With the adjusting screw on the gun, adjust the adhesive bead to the required diameter. (The emptier the can, the more the adjusting screw needs to be opened). The gun must be held vertical during application. A distance of 1 to 2 cm must be maintained between the nozzle and plasterboard 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.

■ Interior insulation/dry lining

Prior to application, the substrate stability must be verified. This can also take place with a sealing tape test. In this test, sealing tape is applied to the substrate and quickly pulled off again. If old paint or plaster adheres to the adhesive tape, this means that the substrate does not have the necessary stability and must be reinforced or removed. With chalking and highly absorbent substrates, the substrate adhesion can be improved with a deep solvent primer. Remove protruding concrete burr or excess plaster. Soudabond Plasterboard Gun levels uneven surfaces up to 30 mm.

Plasterboard: In contrast to interior installation, three vertical adhesive beads are sufficient for the installation of plasterboard wider than 50cm. For panel widths below 50cm, a minimum of two adhesive beads must be applied.



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■ Other applications

Due to its excellent adhesive properties, reduced foaming and fast final strength, Soudabond Plasterboard Gun is suitable for numerous bonding applications. Soudabond Plasterboard Gun is ideal for the installation of insulation panels in building and construction. Installation of loft insulation reveals and claddings as well as bonding of wall edging strips are just a few examples.

General note: Do not load/subject the bond to traffic within the curing time of about 1 hour! All open joints within the insulation can be filled out with Soudabond Plasterboard Gun. Trim protruding, fully cured adhesive with a sharp knife. Soudabond Plasterboard Gun can be painted or plastered after curing.

■ Can temperature

+5 °C to +25 °C (Optimal +15 °C to +25 °C). If required, slowly bring the can to the optimal temperature by placing in cool or warm water.

■ Surface temperature

+5 °C to +35 °C

■ Cleaning method

With Soudal Gun & Foamcleaner or Swipex prior to curing, subsequently with PU Remover or remove mechanically.

■ Repair method

Repair with Soudabond Plasterboard Gun.

Health- and Safety Recommendations

Take the usual labour hygiene into account. Consult the packaging label and safety data sheet for more information.

Always wear gloves and goggles.

Remove cured foam mechanically. Never burn away.

Use only in well-ventilated areas.

Packaging/Logistics

Colour: Orange

Packaging: 750 ml aerosol (net)

Shelf life: 24 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C, Cans must be stored upright to prevent blockage of spray valve, Once opened, keep container tightly closed and use within a short period.

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.