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Technical Data Sheet

Soudabond Plasterboard Genius

Technical characteristics:

Base	Single component polyurethane
Consistency	Stable adhesive foam (does not sag)
Curing system	Moisture cure at room temperature
Skin formation (*)	About 8 minutes - 30 mm adhesive bead
Can be trimmed (')	About 60 minutes - 30 mm adhesive bead
Full strength (*)	About 12 hours - 30 mm adhesive bead
Post expansion	Minimal
Thermal conductivity (DIN 52612)	About 0.036 W/m.K
Tensile strength (DIN EN 1607)	0,19 N/mm²
Shear strength (DIN EN 12090)	0,142 N/mm²
Shear modulus (DIN EN 12090)	0,489 N/mm²
Temperature resistance	-40ºC to +90ºC +120°C (up to max. 1 hour)

(*) Measured at 20°C/65% R.H. These values may vary depending on ambient factors such as temperature, humidity and type of substrate.

Product description
Soudabond Plasterboard Genius is a ready-to-use, single component, self-expanding polyurethane adhesive for clean, efficient and economical permanent bonding of plasterboard in building and construction.

Product characteristics:
- Cuts working time by up to 30%.
- Excellent initial bond, even at low temperatures.
- Economical in use due to precise application.
- One can covers up to 10 m² of insulation.
- Suitable for vertical applications.
- Can be applied at temperatures between +5 °C and +35 °C.
- Thermal conductivity 0,036 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 2 hours 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 panels.

Form of delivery:
Colour: Orange
Packaging: 600 ml aerosol can (12 per box)

Shelf life:
18 months from date of production in unopened packaging with cool (+5ºC to +25ºC) 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.

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, fibre cement, gas concrete, particle board, plasterboard, gypsum fiberboard, fibre 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

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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.

Directions for use:

General

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 Genius cannot contaminate components, objects or persons in the vicinity.
Good ventilation must be ensured for indoor use. Wear protective goggles and gloves. Shake the aerosol can for at least 20 seconds. Open the cover and fold the tube horizontally After extended periods of non-use, the can must be shaken again to obtain the required adhesive quality! Adjust the adhesive bead to the required diameter with pushing on the Genius gun harder or softer. (The emptier the can, the more force should be set). The can 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 plasterboard 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.

When finished, wait approximately 1 minute until the foam stops dripping out. Detach the butterfly plug from the cap and screw it on top of the red Soudamax adapter. Clip cap back in place to lock trigger.

Instructions for re-use:
Before reusing, unscrew the red Soudamax adapter from the tip of the straw. Keep the can straight up, point the straw into a plastic bag and shoot the contents of the straw into it. It may take one or two triggers to remove all the straw's contents. Screw the Soudamax adapter back into the straw. Then unscrew the red T-plug from the red Soudamax adapter at the end of the straw to start working.
Plasterboard

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 Genius levels uneven surfaces up to 30 mm.

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.

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 Plasterboard Genius. Trim protruding, fully cured adhesive with a sharp knife. Soudabond Plasterboard Genius can be painted or plastered after curing.

Application temperature:
+5ºC to +35ºC (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 Plasterboard Genius

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.