

## Soudabond Blocks

Revision: 12/06/2023

Page 1 from 3

### Technical data

Basis	Polyurethane
Consistency	Semi collapsible adhesive foam
Curing system	Moisture curing
Skin Formation (EN 17333-3)	8 min (30 mm adhesive bead)
Full curing	12 hours (30 mm adhesive bead)
Curing speed *	30 min (30 mm adhesive bead)
Yield	Up to 12 m <sup>2</sup>
Post expansion	Very minimal
Temperature resistance**	-40 °C till +90 °C (cured) 120 °C (max 1 hour)

\*\* This information relates to fully cured product.

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 Blocks is a ready-to-use, single component, semi collapsible, self-expanding polyurethane adhesive for the clean, efficient and economical permanent bonding of rectified bricks in the construction sector. Because of the Duravalve, the optimal yield remains over the entire shelf life, even when stored or transported lying down.

### Properties

- Easy and fast to apply (saving of up to 30 % in labour time).
- Economical in use due to precise application.
- Can be applied at +5 °C can temperature
- Ready to use without preparation
- Bonds to all common building bricks, also on damp surfaces
- 1 canister can build a wall of up to 12 m<sup>2</sup>, depending of the amount of adhesive required.
- Semi collapses after extrusion so the adhesive does not blow away in windy conditions.
- Remains flexible, does not become brittle.
- Substantial space and weight savings compared to conventional PU adhesives, bonding mortars, etc.
- Fast curing
- 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 bonding non-load bearing walls, e.g. partition walls, screen walls, cellar bars, stone shelves, etc., of rectified bricks (aerated concrete, sand-lime brick, silicate, stone, concrete, hollow bricks...).

### Packaging

*Colour:* champagne

*Packaging:* 750 ml aerosol (net)

### Shelf life

24 months unopened and stored in dry and cool conditions (Between 5 and 25 °C)

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## Soudabond Blocks

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Revision: 12/06/2023

Page 2 from 3

### Substrates

All usual substrates such as concrete, masonry, stone, drywall, wood, cold bituminous thick coatings, sand or slate surfaced bituminous sheeting, polystyrene (EPS), polyurethane and phenol resin foam, most corrosion protected metal sheeting, gas concrete, particle board, plasterboard, gypsum fibre board, fibre cement, hard PVC and emulsion paints. 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. Does not adhere to PE, PP, PTFE and silicone. We always recommend a preliminary test of the substrates to check for suitability with regard to adhesion and compatibility.

### 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 Blocks cannot contaminate components, objects or persons in the vicinity. Good ventilation must be ensured for indoor use.

Clean the adhesive surfaces, remove loose particles and moisten. 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 gun nozzle and substrate while spraying.

Apply two Soudabond Blocks adhesive beads with a diameter of about 30mm to the substrate and subsequently to all further construction blocks. The adhesive beads must be applied about 50 mm away from the stone edge parallel on horizontal joints. Position/join and align bricks within minimum 2 to maximum 8 minutes (20°C/65% R.H. – this time is shorter at higher temperature/humidity and longer at lower temperature/humidity). If once joined bricks are removed, new adhesive beads must be applied. Allow excess adhesive to cure and subsequently remove, e.g. with a spatula. Depending on the ambient temperature, work can be continued after minimum 60 minutes. The adhesive achieves full strength after minimum 12 hours.

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

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## Soudabond Blocks

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Revision: 12/06/2023

Page 3 from 3

Repair option: with Soudabond Blocks.

Can Temperature: +5 °C - +25 °C (optimal +15 °C - +25 °C. If required, slowly bring the can to the optimal temperature by placing in cool or leek water.

Surface Temperature: 0 °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.

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