

TECHNICAL DATA SHEET

0890 100 710, 0890 100 720, 0890 100 730

Bond + Seal Fast

Fast-acting, brushable PU sealant

Fields of application:

For permanently elastic, highly adhesive sealing of overlapping seams, spot-welded seams, visible joints, sheet-metal connection joints and folded seams, both indoors and out.

Surface:

Excellent adhesive strength on a wide range of surface materials such as metal, painted surfaces, wood, stone, concrete and plastic (polyester and hard PVC).

Not suitable for PE, PP, PTFE, silicone rubber, polystyrene and softened plastics.

Properties:

- Highly adhesive, permanently elastic sealing compound
- Short skin formation time
- High degree of stability
- Can be sanded
- Can be painted over quickly
- Approved for use with foodstuffs (ISEGA certificate)
- Non-corrosive
- Low-odour
- Free from silicones

Application:

The application surfaces must be clean, dry and free of grease. The processing temperature is between +5°C and +35°C.

Optimum adhesion results are guaranteed by pre-treating the surfaces with B+S Activating Cleaner and B+S Primer for Metal or B+S Primer for Plastic/Wood/Stone. This is especially important with critical surfaces, such as non-ferrous metals (copper) and galvanised materials.

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Material that has not cured can be removed using B+S Remover.

A minimum adhesive layer thickness of 3 mm is recommended to harness the benefits of thick-coat bonding. Not suitable for glass groove sealing in areas in which UV back reflection can occur. Direct exposure to sunlight can result in slight surface yellowing.

Following skin formation, can be mechanically machined and painted over without surface activation. Due to the multitude of different paints and coating agents available, preliminary tests must be performed to check compatibility.

Do not allow this product to come into contact with alkyd-resin paint systems.

Technical data:

Chemical basis	1-component polyurethane
Curing through	Atmospheric moisture
Colour	white, grey, black
Processing temperature	+5 °C to +35 °C
Skin formation time*	approx. 20 min.
Curing speed	Approx. 4 mm/24 h
Density*	Approx. 1.20 g/cm ³
Change in volume (52451)	Approx. -5%
Viscosity	Paste-like
Shore A hardness (DIN 53505)	Approx. 40
Tensile strength (DIN 53504 S2)	1.8 N/mm ²
Elongation at tear (DIN 53504 S2)	Approx. 600%
Resistance to further tearing (DIN 53515)	Approx. 6 N/mm
Glass transition temperature (DIN 53445)	Approx. -45 °C
Temperature resistance	-40 °C to +90 °C, up to 8h at +120 °C
Resistant to	Water, seawater and lime water, diluted inorganic acids and alkaline solutions
Short-term resistance to	Fuels, mineral oils, vegetable and animal fats and oils
Not resistant to	Organic acids, alcohol, stronger mineral acids and alkaline solutions, solvents

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Shelf life	12 months (+10°C to +25°C)
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* Measured at 23°C/50% relative humidity

Remarks:

- Caution: In case of high substrate moisture, very wide adhesive bead application, and/or introduced voids, air pockets, backfill foams in the application, there is a risk of bubble formation in the adhesive mass.

This advice is based on our own research and experience. It is presented in good faith and may be considered reliable. However, due to the diverse processing, application and handling possibilities the information provided may not be considered legally binding. The same applies to the information provided by our technical and commercial customer service.

We recommend the users of our products to perform their own tests in order to determine whether our products are appropriate for the respective use and environment. We guarantee the consistent quality of our products. We reserve the right to implement technical changes and improvements.