TECHNICAL DATA SHEET

0890 100 1,	**0890 100 11,**	**0890 100 181**
0890 100 2,	**0890 100 21,**	**0890 100 182**
0890 100 3,	**0890 100 31,**	**0890 100 183**
0890 100 4,	**0890 100 111,**	
0890 100 5,	**0890 100 112,**	
0890 100 6,	**0890 100 113,**	

Bond+Seal
Elastic PU adhesive and sealant for a broad range of uses

Fields of application:
For a range of bonding and sealing tasks. Suitable for bonding and sealing in food processing plants.

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:
- For universal use
- Highly elastic
- Long skin formation time
- Can be sanded and painted over
- Approved for use with foodstuffs (ISEGA certificate)
- Non-corrosive
- Low-odour
- Free from silicones

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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. 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, dark brown, light brown, sand beige
Processing temperature	+5 °C to +35 °C
Skin formation time*	Approx. 45–60 min.
Curing speed	Approx. 4 mm/24 h
Density*	Approx. 1.25 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. 500%
Resistance to further tearing (DIN 53515)	Approx. 7 N/mm
Stretching/contraction during use	Approx. 15%

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Spec. resistivity (DIN 53482)	Approx. 10^{10} Ω/cm
Glass transition temperature (DIN 53445)	Approx. -45°C
Temperature resistance	-40°C to +90°C, up to 8 h 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
Shelf life	12 Months (+10°C to +25°C)

*Measured at 23°C/50% relative humidity

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