

TECHNICAL DATA SHEET

Bond and Seal Fast structural adhesive

Art. no. 0890 100 730

P. Qty.: 1 / 12 / 24

Fast-acting, brushable PU sealant

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

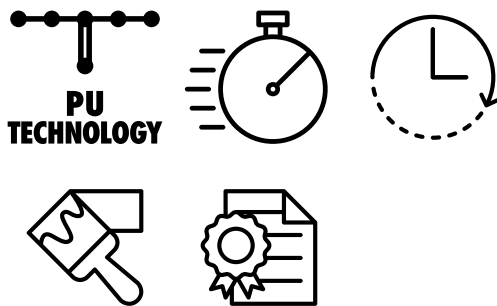
Not suitable for PE, PP, PTFE, silicone rubber, polystyrene and softened plastics.



Contents	300 ml
Container	Cartridge
Chemical basis	Single component polyurethane
Colour	Black
Max. skin-formation time	20 min
Min./max. skin-formation time	19-20 min
Smell/fragrance	Characteristic
Density/conditions	1.2 g/cm ³ /at 23 °C, 50% relative humidity
Min. skin-formation time	19 min
Full curing speed/conditions	3 mm/d/23 °C and 50% relative humidity, moisture curing
Min./max. processing temperature	5 to 35 °C
Min./max. temperature resistance	-40 to 90 °C
Short term temperature resistance max./conditions	120 °C/after 8 hours
Min. tensile strength	1.8 N/mm ²
Conditions for tensile strength	in accordance with DIN 53504
Min. longitudinal resistance to tearing	6 N/mm
Conditions for resistance to tearing	in accordance with DIN 53515
Elongation at break/conditions	600 %/in accordance with DIN 53504
Max. change in volume	-6 %
Glass transition temperature/conditions	-45 °C/in accordance with DIN 53445
Max. volume change/conditions	-6 %/in accordance with DIN 52451

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Short-term resistance against	Fuels, Mineral oils, Animal fat, Animal oils, Vegetable fat, Vegetable oils
Shelf life from production/conditions	12 Month/at 10°C to 25°C
Silicone-free	Yes



Application area

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.

Bond and Seal products		B+S 0890 100 1 - 6 0890 100 111 - 3 0890 100 181 - 3 0890 100 11 + 13	B+S Power 0893 235 1 0893 235 2 0893 235 3	B+S Fast 0890 100 710 0890 100 720 0890 100 730	B+S Combi 0893 236 110 0893 236 120 0893 236 130
Metal	Aluminium	√ 1	√ 4	√ 1	√ 1
	Lead	x	x	x	x
	Stainless steel	√ 1	√ 4	√ 1	√ 1
	Copper	√ 1	√ 1	√ 1	√ 1
	Brass	√ 1	√ 1	√ 1	√ 1
	Steel/iron	√ 1	√ 4	√ 1	√ 1
	Zinc	√ 1	√ 4	√ 1	√ 1

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Plastics	ABS	√ 2	√ 2	√ 2	x
	GRP	√ 2	√ 2	√ 2	√
	Rubber/neoprene	x	x	x	√
	Dense foams	√ 2	√ 2	√ 2	√
	PE	x	x	x	x
	PMMA	√ 5	√ 5	√ 5	-
	Polyamide	√ 5	√ 5	√ 5	√
	Polycarbonate = PC	√ 5	√ 5	√ 5	-
	Expandable polystyrene (not foam!)	√ 2	√ 2	√ 2	-
	PP	-	-	-	-
	PTFE	-	-	-	-
	Polyurethane = PU	√ 2	√ 2	√ 2	√
	Hard PVC	√ 2	√ 4	√ 2	√
	Silicone	-	-	-	-
	Polystyrene	-	-	-	-

Surface must be pre-treated; refer to the technical data sheet for the relevant application.

1. Prime with Primer for Metal 0890 100 61
2. Prime with Primer for P/W/S 0890 100 62
3. Pre-treat with Penetrating Primer 0890 545 10
4. Pre-treat with Activating Cleaner, 0890 100 60
5. Varioprimer safe + easy, 0890 024 021/0890 024 101

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Painted surfaces	2-component paints, stove enamels, cathodic dip coating, painted panels	√ 4	√ 4	√ 4	√ 4
Wood and engineered woods	Wood (including MDF, chipboard)	√ 2	√ 2	√ 2	√ 2
	Laminated panels (Resopal, Ultrapas)	√ 4	√ 4	√ 4	
	HPL	√ 4	√ 4	√ 4	√ 4
	Decorative panels	√	√	√	√
	Cork	√ 2	√ 2	√ 2	√

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Stone and construction materials	Concrete	√ 2	√ 2	√ 2	√ 2
	Bituminous substrates	-	-	-	-
	Aerated concrete, gypsum, gypsum plasterboard	√ 3	√ 3	√ 3	√ 3
	Artificial stone (Corian, Varicor)	√ 2	√ 2	√ 2	√
	delicate natural stone (e.g. marble)	-	-	-	-
	Natural stone, brick	√ 2	√ 2	√ 2	√ 2
	Cement fibreboards	√ 3	√ 3	√ 3	√
Others	Enamel	√ 5	√ 4	√ 5	√ 4
	Glass	√ 5	√ 4	√ 5	√ 4
	Fibreglass	-	-	-	-
	Mirror	-	-	-	-
	Porcelain, ceramic, tiles	√ 5	√ 4	√ 5	√ 5
	Paper	√	√	√	√
	Cardboard	√	√	√	√
	Mesh	-	-	-	-
	Leather	-	-	-	-

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Application information

The application surfaces must be clean, dry and free of grease. The processing temperature is between +5°C and +35°C. For best adhesion results, pre-treat surfaces with Activating Cleaner (art. no. 0890 100 60) and AdhesionPlus primer metal (art. no. 0890 100 61) or AdhesionPlus primer plastic/wood/stone (art. no. 0890 100 62). This is especially important with critical surfaces, such as non-ferrous metals (copper) and zinc-plated materials. Non-cured material can be removed using adhesive remover (art. no. 0890 100 63). A minimum adhesive layer thickness of 3 mm is recommended to harness the benefits of thick-coat bonding.

Proof of Performance



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Notice

- 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 coatings, preliminary tests must be performed to check compatibility.
- Do not allow this product to come into contact with alkyd-resin paint systems.
- Caution: In the case of high surface moisture, very wide adhesive bead application, and/or cavities/air pockets created, back-fill foams in the application, there is a risk of bubble formation in the adhesive compound.

The usage instructions are recommendations based on the tests we have conducted and our experience; carry out your own tests before each application. Due to the large number of applications and storage and processing conditions, we do not assume any liability for a specific application result. Insofar as our free customer service provides technical information or acts as an advisory service, no responsibility is assumed by this service except where the advice or information given falls within the scope of our specified, contractually agreed service or the advisor was acting deliberately. We guarantee consistent quality of our products. We reserve the right to make technical changes and further develop products.