

# TECHNICAL DATA SHEET

## SMP adhesive sealant SPRINT

**Art. no. 0893 237 122**

P. Qty.: 1 / 12

### Rapid-curing, permanently elastic SMP-based adhesive and sealant with high temperature resistance

Excellent, mostly primerless adhesion on almost all surfaces including when slightly damp, such as metals (steel, electro zinc-plated and hot-dip zinc-plated steel, steel ST 1403, stainless steel, brass, zinc, copper, AlMgSi1, AlCuMg1, aluminium), polystyrene, cork, enamel, painted surfaces, ceramic\*, concrete, cement fibre boards, aerated concrete, plaster, plasterboard, stone, natural and artificial stone, marble, granite, glass, fibreglass, HPL and wood, decorative and laminated panels, plastics (polystyrene, polycarbonate\*, PVC, ABS\*, polyamide\*, PMMA\* and GFRP).

Not suitable for PE, PP, PTFE and silicone.

\*Preliminary testing is imperative due to different material compositions!



Contents	290 ml
Container	Cartridge
Chemical basis	Silane modified polymer
Colour	Black
Max. skin-formation time	12 min
Min./max. skin-formation time	8-12 min
Density/conditions	1.45 g/cm <sup>3</sup> /at 20 °C, EN 542
Min. skin-formation time	8 min
Full curing speed/conditions	3.5 mm/d/20 °C and 50% relative humidity
Min./max. processing temperature	0 to 40 °C
Min./max. temperature resistance	-40 to 100 °C
Min. tensile strength	3.8 N/mm <sup>2</sup>
Min. combined tension and shear resistance	2.3 N/mm <sup>2</sup>
Conditions for tensile strength	in accordance with DIN 53504
Min. breaking elongation	300 %
Shelf life from production/conditions	12 Month/at 5 °C to 25 °C
Silicone-free	Yes
Solvent-free	Yes
PVC-free	Yes

# TECHNICAL DATA SHEET

Isocyanate-free	Yes
Sustainability	Low-emission/low-pollution

## Application area

For structural bonds in general, automotive, aerospace and construction industries, as well as in container, bodywork, vehicle, caravan, wagon, apparatus, metal, plant, air-conditioning and ventilation system construction etc.

Suitable for stress-free structural bonding between metals and plastics. For sealing and bonding in metal constructions, sealing of welding seams and folded seams, and sheet connection joints that are subsequently thermo-painted.

## Application information

The application surfaces must be solid, clean, dry and free of grease and oil. Dry surfaces are particularly suitable. They will give you the best results. The SMP adhesive sealant SPRINT also adheres to moist surfaces. These results may be inferior to those with dry and cleaned surfaces.

On all smooth surfaces (except glass), we recommend pre-cleaning and de-greasing with IPA cleaner (art. no. 0893 223 500).

Cut off thread cap, screw on nozzle and cut to the required strand width. Apply the adhesive using a suitable application gun. Apply adhesive in vertical beads. Place the workpieces in the correct position within the skin formation time and press these together to ensure that the thickness of the adhesive is at least 2-3 mm between the material and surface. Do not apply the adhesive in dots! The workpieces must be joined within the skin formation time. Fasten/press the parts together after joining until the functional strength is reached.

Reseal the opened cartridge so that it is airtight. When reusing, for safety reasons (cartridge filling technique), do not use the first 10 cm of mixed adhesive for bonding.

Remove any adhesive that has escaped while it is still fresh. Hardened adhesive can only be cleaned off mechanically.

## Proof of Performance



## Notice

- PMMA and polycarbonate must only be glued when not under tension; otherwise, stress cracks are likely to occur. In the case of polycarbonate, we always recommend preliminary tests.
- In general, for plastics, it must be ensured that the release agents used in production or the protective films used for transport are removed without residue before bonding, as these sometimes considerably worsen adhesion.
- For plastics containing softeners (e.g. soft PVC, butyl rubber, EPDM and APTK), incompatibilities such as discolouration and loss of adhesion can result. Suitability in this respect should be systematically tested.
- Although the SMP adhesive sealant SPRINT has excellent adhesion on aluminium and cement fibre panels, stated applications do not include bonding of facade panels.

# TECHNICAL DATA SHEET

SMP Klebedichtstoff		SMP UNIVERSAL 0893237100 0893237101 0893237102	SMP SPRINT 0893237120 0893237121 0893237122	SMP XTREME 0893237130	SMP HIGH TACK 0893237140	SMP CLEAR 0893237152	SMP METALLIC 0893237160	SMP 2K 0893237170
<b>Metall</b>	Aluminium	√	√	√ <sup>2</sup>	√	√	√	√ <sup>2</sup>
	Blei	√	√	√ <sup>2</sup>	√	√	√	√ <sup>2</sup>
	Edelstahl	√	√	√ <sup>2</sup>	√	√	√	√ <sup>2</sup>
	Kupfer	√	√	√ <sup>2</sup>	√	√	√	√ <sup>2</sup>
	Messing	√	√	√ <sup>2</sup>	√	√	√	√ <sup>2</sup>
	Stahl/Eisen	√	√	√ <sup>2</sup>	√	√	√	√ <sup>2</sup>
	Zink	√	√	√ <sup>2</sup>	√	√	√	√ <sup>2</sup>
<b>Kunststoff</b>	ABS	√	√	√ <sup>1</sup>	√	-	√	√ <sup>1</sup>
	GFK	√	√	√ <sup>2</sup>	√	-	√	√ <sup>2</sup>
	Gummi	-	-	√ <sup>1</sup>	-	-	-	√ <sup>1</sup>
	Hartschäume	-	-	√	-	-	-	√
	Neopren	-	-	√ <sup>1</sup>	-	√	-	√ <sup>1</sup>
	PE/PP	-	-	-	-	-	-	-
	PMMA	-	√	√ <sup>1</sup>	-	√	-	√ <sup>1</sup>
	Polyamid	-	√	√ <sup>2</sup>	-	-	-	√ <sup>2</sup>
	Polycarbonat	-	√	√ <sup>1</sup>	-	√	-	√ <sup>1</sup>
	Polystyrol	-	√	√ <sup>1</sup>	-	√	-	√ <sup>1</sup>
	PTFE	-	-	-	-	-	-	-
	PU	√	-	√	√	√	-	√
	PVC	√	√ <sup>1</sup>	√ <sup>1</sup>	√	√	-	√ <sup>1</sup>
	Silikone	-	-	-	-	-	-	-
Styropor	-	√	√	-	√	-	√	
<b>Lackierte Oberflächen</b>	Lackierte Oberflächen	-	√	√	-	-	-	√
<b>Holz &amp; Holzwerkstoffe</b>	Dekorplatten	√	√	-	√	-	-	-
	Holz, MDF (Spanplatten)	√	√	√	√	√	-	√
	Kork	-	√	√	√	√	-	√
	Schichtstoffplatten	√	√	√ <sup>2</sup>	√	√	-	√ <sup>2</sup>
1. Primern mit HaftPlus K/H/S (Art.-Nr. 0890 100 62) 2. Vorbehandeln mit Reiniger Typ 60, (Art.-Nr. 0892 130 030, 0892 130 031) 3. Vorbehandeln mit Reiniger Typ 20, (Art.-Nr. 0892 100 11)								

# TECHNICAL DATA SHEET

<b>Stein &amp; Baustoffe</b>	Beton	√	√	√ <sup>1</sup>	√	√	√	√ <sup>1</sup>
	Bituminöse Untergründe	-	-	-	-	-	-	-
	Gasbeton, Gips, Gipskarton	√	√	√ <sup>1</sup>	√	√	√	√ <sup>1</sup>
	HPL	√	√	√ <sup>2</sup>	√	√	-	√ <sup>2</sup>
	Kunststein	√	√	√ <sup>2</sup>	√	-	√	√ <sup>2</sup>
	Naturstein	-	√	√	-	-	-	√
	Stein	√	√	-	√	-	√	-
	Zementfaserplatten	√	√	√ <sup>1</sup>	√	√	-	√ <sup>1</sup>
<b>Sonstiges</b>	Emaile	√	√	√ <sup>2</sup>	√	√	√	√ <sup>2</sup>
	Glas	√	√	√	√	√	√	√
	Glasfaser	-	√	√	-	√	-	√
	Spiegel	-	-	√ <sup>2</sup>	√	√	-	-
	Porzellan, Keramik, Fliesen	√	√	√ <sup>2</sup>	√	√	√	√ <sup>2</sup>
	Papier	-	-	√	-	√	-	√
	Pappe	-	-	√	-	√	-	√
	Gewebe	-	-	-	-	√	-	-
	Leder	-	-	√	-	√	-	√
1. Primern mit HaftPlus K/H/S (Art.-Nr. 0890 100 62) 2. Vorbehandeln mit Reiniger Typ 60, (Art.-Nr. 0892 130 030, 0892 130 031) 3. Vorbehandeln mit Reiniger Typ 20, (Art.-Nr. 0892 100 11)								

The usage instructions are recommendations based on the tests we have conducted and are based on our experience; carry out your own tests before each application. We do not assume any liability for a specific application result due to the large number of applications and storage and processing conditions. 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.