

Polysealer PS 55 spray

Bardahl Polysealer Ps55 Spray is a sprayable, elastic adhesive with excellent sealing properties. Adheres thanks SMP base to various materials. Bardahl Polysealer Ps55 Spray allows to apply seam and joint sealings with different surface structures as well as perform efficiently large area bondings. Also insensitive to UV light, moisture and temperature differences.

Product advantages

- Sprayable
- Long processing time
- Free of solvents, isocyanates and silicones
- Very wide adhesion range
- Odourless
- Compatible with paints
- Shortly resistant up to +200°C for powder and thermal coating Adjustable
- Gap and crack bridging
- Permanently elastic
- Very good sealing properties
- Non-corrosive on surfaces
- Impact and vibration resistant (shock absorbing)

Due to its unique composition, Bardahl Polysealer PS55 Spray can be used in most industries, boat and yacht building, bodywork, automotive, food industry, pharmacy, hospitals, slaughterhouses etc. After curing obtained with a permanent bonding / connection of the most diverse materials with air pressure sealant gun. Ref 00073

Adhesion to various materials

- metals,
- powder-coated,
- lacquered,
- galvanized,
- anodized,
- chromated or hot-dip galvanized surfaces,
- various plastics, – ceramics, stone, – Concrete and wood.

Due to the large variety of different

Plastics and compositions as well as materials that are prone to stress cracks, preliminary tests are recommended.

Compatible with polystyrene (EPS / XPS).

All measurements were made under standard conditions (23 ° C and 50% relative Humidity).

*** The data are based on measurements after 3 months.**

Application

Bardahl MS Polymer PS55 Spray is easily sprayable using a caulking gun(pneumatic gun artnr 00073) for manual operation or by means of a spatula and then after-treatment with a hard brush. The surface must be clean, dry, dust- and grease-free. If necessary, first clean/degrease the surface with a suitable, non-aggressive, solvent.. All undefined surfaces must be removed using suitable methods. Apply the adhesive/sealant promptly to the prepared surface. Depending on the substrate and the expected requirements a mechanical or chemical pre-treatment is recommended respectively cleaning wit Bodysol ref 77751. For application the surface has to be clean, durable and free of dust, oil and grease. The compatibility with adjacent materials, coatings etc. must be determined in advance

Processing

Bardahl MS Polymer PS55 Spray can be applied directly from the cartridge / bag using a suitable caulking gun (manual, air, battery) The product can be spread with a spatula or brush on the surface For large area bonds the product can be applied with a notched trowel on the surface Spray pattern can be applied with an air and application quantity controlling spray caulking gun. All structure types according to OEM (Original Equipment Manufacturer) can be set. The width and limitation of the seam can be additionally varied by the spraying distance. For bonding on large surfaces the curing can be significantly accelerated with spraying water (approx. 10g/m²) The bonding must take place within the processing time Non-cured adhesive can be removed with rubbing alcohol or isopropyl Cured adhesive can only be removed mechanically

— **Paint compatibility**

Due to the diversity of varnishes and paints on the market we recommend preliminary tests. For burning process the material can be exposed, when fully cured, in short term to elevated temperatures.

— **Chemical resistance**

Good against water, aliphatic solvents, oils, grease, diluted inorganic acids and alkalis Moderate against esters, ketone and aromatics Not resistant against concentrated acids and chlorinated hydrocarbons

Specifications

— Chemical based	silane modified
— polymer1K curing mechanism	moisture curing
— Consistency	pasty, sprayable
— Processing time max.	25 min.
— Complete hardening after 24h ≥	2.0 mm
— Complete hardening after 48h ≥	3.0 mm
— Shore A hardness,	DIN ISO 7619-1 32
— Tensile strength DIN 53504 S2	approx. 2.1 N / mm ²
— Module at 100% elongation,DIN 53504 S2	approx. 2.1 N / mm ²
— Elongation at break, DIN 53504 S2	approx. 300%
— Density	1.38 ± 0.05 g / cm ³
— Volume change	DIN EN ISO 10563 ≤ 6%
— Temperature resistance according to curing	- 40 ° C to + 90 ° C
— Processing temperature	+ 5 ° C to + 40 ° C

Safety

Bardahl MS Polymer Spray contains no Isocyanates and no solvents and/or odour-burdening substances. Providing safety, environmentally and in personal care, in comparison to pu - competitors

Shelf life and storage conditions

18 months from date of production in original packaging Store cool and dry (10 - 25 °C) Further information on request

Packages

- Cartridges of 290 ml in boxes of 12 pieces
- 600 ml sausages in boxes of 12 pieces
- 20 liter containers on a pallet of 16 pieces
- 200 liter barrel on pallet of 2 pieces