Intended use

Sprayable MS polymer-based seam sealant used for the reproduction of OEM finishes of common seam sealing types (spraying, beading, smoothing the beads by brush) in vehicle and container construction, shipbuilding and mechanical engineering. Furthermore, it can be used for repairing damaged PVC coatings in wheelhouses, as stone chip protection for front and rear spoiler, as step protection in vehicles and for sealing and laminating transitions of welded sheet metal parts.

Properties:

excellent adhesion
UV-resistant
moisture-curing
overcoatable
vibration-resistant

Specifications:

specific weight: approx. 1,4 - 1,5 g/cm³
consistency: paste-like, slightly thixotropic
skinning: 25 min NK 23/50-2 / DIN 50015
curing: ca. 3 mm / 24 h, thicker layers need more time NK 23/50-2 / DIN 50015
shore A hardness: 40 after 4 weeks, test thickness 6 mm NK 23/50-2 / DIN 53505
elongation at break: > 270 % NSt. S3A / DIN 53504
tensile strength: 1,6 N/mm² NSt. S3A / DIN 53504
tear propagation resistance: 6 N/mm ASTM D 624 Form B
temperature resistance: -40 °C to + 80 °C, short-term up to 120 °C

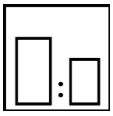
Spreading rate: --

Processing instructions



Colour

grey, black, ochre



Mixing ratio

Hardener	by weight (lacquer : hardener)	by volume (lacquer : hardener)
--	--	--



Hardener

for complete paintwork	for partial paintwork
--	--



Pot life

--



Thinner

--

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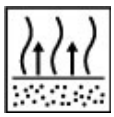
Spray viscosity

gravity spray gun	Airmix/Airless
--	--



Application mode

Application mode	Hardener	pressure (bar)	nozzle (mm)	spray passes	dilution (%)
caulking gun	--	--	--	--	--
pneumatic caulking gun	--	--	--	--	--



Flash-off time

--

Dry coat thickness

--



Drying time

object temperature	dust dry	set to touch	ready for assembly	sandable	recoatable
--	--	--	--	--	--

Note

Storage: At least 15 month in unopened original container. Protect from direct sun light. Do not store above 25 °C.

VOC Regulation: --

Processing conditions: From +5 °C and up to max. +30 °C.

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Processing instructions:

Suitable substrates:

Zinc, aluminium, steel, paints and primers, derieved timber products, curable Plastics and thermoplastics (except PE, PP, PS, PC, PMMA, PTFE), glass and mineral substrates.

The substrate must be clean, dry and degreased.

Mipa MS Polymer 300 can be overcoated:

Can be overcoated with common repair paints within 5 days, carry out preliminary tests. In general, overcoating delays the curing process.

Fresh or not yet cured PU materials must not be brought into contact with Mipa MS Polymer 300.

Overcoating with alkyd resin paints may prevent them from curing.

Check adhesion and compatibility with paints and Plastics on the object. Mipa MS Polymer 300 does not require a priming coat on most materials.

When applying thin layers (< 3 - 4 mm), use a brush, spatula, etc. to compact Mipa MS Polymer 300 manually to ensure proper curing and adhesion.

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