

Technical Data Sheet

Page 1 of 2

Properties: AKEMI® Spray Sealer LV is a sprayable elastic sealant on a MS polymer basis to reconstruct all kinds of smooth flowing OEM textures. Spray Sealer LV can be sprayed with the aid of the appropriate application guns.

The product is characterized by the following qualities:

- free of solvents, isocyanates and PVC
- very good resistance to UV light and ageing
- weather-resistant
- very good adhesion on different surfaces without application of a primer
- neutral and odourless when hardened
- can be painted over wet-in-wet
- low volume shrinkage
- low electrical conductivity

Application Area:

- for all kinds of bonding on large surface areas
- sprayable joint sealing for motor vehicles
- underbody and stone chip protection for motor vehicles
- bonding of covers, fittings, metal sheets, facing, mounting brackets, strengtheners and struts (reinforcement) as well as edge protectors
- bonding of vehicle superstructures, containers, base/floor plates, modular buildings, cabins, cases, sandwich construction elements

Instructions for Use: AKEMI® Spray Sealer LV can be applied with standard sealant spray guns, manual or compressed air guns, within a temperature range of +5°C to +40°C. If surfaces are permeable to diffusion, it can also be applied with a toothed spatula.

1. Surface to be bonded must be clean, dry and free of oil and grease.
2. Different OEM textures can be replicated by regulation of the applied quantity of product, spraying pressure and distance.
3. For best adhesion paint over wet-in-wet should be effected within max. 2 days.
4. In case of later painting use AKEMI® Cleaner A for prior cleaning.
5. Hardening can be considerably accelerated by spraying on some water.

Special Notes:

- For professional use only.
- Adhesion promoter: On many clean fat-free surfaces good adhesion can be obtained without using an adhesion promoter. However, if the hardened product is to be exposed to a lot of moisture or temperature stress or in the event of problematic bonding surfaces, we recommend pretreatment with the adhesion promoter MS Pres for non-porous surfaces. Tools can be cleaned and non-hardened remnants of Spray Sealer LV can be removed with a clean dry cloth. Use AKEMI® Acryclean if the soiled area is larger.
- For proper waste disposal, the container must be completely emptied.
- Recycling in accordance with the guidelines of EU Decision 97/129 EC on the Packaging Directive 94/62/EC.

Technical Data:

Colour:	grey, black
Basis:	modified MS polymer (MSP)
Hardening method:	atmospheric humidity

TDS 12.25

Technical Data Sheet

Page 2 of 2

Density:	approx. 1.33 +/-0.05 g/cm ³ (23°C/50° relative air humidity)
Working time:	max. 20 min (23°C/50° relative air humidity)
Hardening:	approx. 2.5 mm/24h (23°C/50° relative air humidity) approx. 3.5 mm/48h (23°C/50° relative air humidity)
Shore A hardness:	approx. 34 (DIN 53505)
Volume change:	≤ 8% (DIN EN ISO 10563)
Tensile strength:	approx. 1.9 N/mm ² (DIN 53504 S2)
Elongation at break:	approx. 450% (DIN 53504 S2)
Module at 100% elongation:	≥ approx. 1.2 N/mm ² (DIN 53504 S2)
Temperature resistance:	- 40°C up to +90°C
Working temperature:	+5°C up to 40°C
Workpiece temperature:	+5°C up to 40°C
Resistance to UV and weathering:	very good
Chemical resistance:	
- good:	against water, aliphatic solvents, oils, grease, diluted inorganic acids and alkalis
- moderate:	against ester, ketones and aromatics
- not resistant:	against concentrated acids and chlorinated hydrocarbons

Storage: If stored in dry and cool condition (5-25°C/41-77°F) in its closed original container at least 12 months from production.

Health & Safety: Read Safety Data Sheet before handling or using this product.

Important Notice: The above information is based on the latest stage of development and application technology. Due to a multiplicity of different influencing factors, this information – as well as other oral or written technical advises – must be considered as non-binding hints. The user is obliged in each particular case to conduct performance tests, including but not limited to trials of the product, in an inconspicuous area or fabrication of a sample piece.

TDS 12.25