

Technical Data Sheet

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Properties: AKEMI® Spray Sealer HV2 is a sprayable elastic sealant on a MS polymer basis to reconstruct all kinds of smooth flowing OEM textures. Spray Sealer LV2 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
- good resistance to UV light and ageing
- weather-resistant
- very good adhesion on different surfaces even without application of a primer
- neutral hardening, no odour
- can be painted over wet-in-wet, this does not affect the curing speed
- 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:

1. Surface to be bonded must be clean, dry and free of oil and grease.
2. AKEMI® Spray Sealer HV2 can be applied with commercially available sealant spray guns, hand operated or compressed air guns in a temperature range between +5°C and +35°C.
3. Different OEM textures can be replicated by regulation of the applied quantity of product, spraying pressure and distance.
4. AKEMI® Spray Sealer HV2 can be applied with a toothed spatula on diffusion-permeable material sides.
5. For best adhesion paint over wet-in-wet should be effected within max. 2 days.
6. In case of later painting use AKEMI® Cleaner A for prior cleaning.
7. Hardening can be considerably accelerated by spraying on some water.

Special Notes:

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 afin® MS Prep for non-porous and adhesion promoter afin® MS Pro for porous surfaces. Tools can be cleaned and non-hardened remnants of Spray Sealer HV2 can be removed with a clean dry cloth. Use afin® Acryclean if the soiled area is larger.

Technical Data:

Colour:	beige, grey
Basis:	modified MS polymer (MSP)
Hardening method:	atmospheric humidity
Density:	1.4 g/cm ³
Skin formation time:	20-40 min (23°C/50% relative air humidity)
Hardening:	3 mm/24h (23°C/50° relative air humidity)

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Shore A hardness:	45
Tensile strength:	2.0 N/mm ² (DIN 53504 S2)
Elongation at break:	150-200%
Tear strength:	9 N/mm (ASTM D624-73)
Module at 100% elongation:	1.5 N/mm ² (DIN 53504-S2)
Temperature resistance:	- 40°C up to +90°C
Working temperature:	+5°C up to 35°C

Storage: If stored in dry and cool condition (5-25°C/41-77°F) in its closed original container at least 18 months from production.

Health & Safety: Read Material 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.