

# Uniflex MS

*sprayable seam sealer*

V07  
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## Description

Permanently elastic, sprayable, single-component seam sealer. Uniflex MS is a Silyl-modified-polymer-based product that cures on exposure to atmospheric moisture. Uniflex MS has primerless adhesion properties to metals, painted surfaces, aluminum, PVC, fiberglass reinforced plastic, ABS, polycarbonate and plastic materials in general. The product is solvent and isocyanate free, as well as odorless. Contains vibration and sound damping properties and is permanently flexible over a wide range of temperatures. No bubble formation.

## Area of application

For use in vehicle/body repair, container construction, HVAC technology, metal construction, etc. Can be used for both internal and under-body applications. Protects against corrosion.

## Product Data

Chemical basis:	SiMP - Silyl Terminated Polymer - Hybrid Technology
Color:	Grey, Black, Beige
Cure mechanism:	Moisture curing
Specific weight:	1.56 g/cm <sup>3</sup>
Skin formation at 23°C and 50% r.h.:	approx. 25
Tack free time at 23°C and 50% r.h.:	approx. 25 min
Temperature resistance:	-40°C / +100°C with short peaks at +/- 120°C
Curing at 23°C and 50% r.h.:	approx. 2.8mm/24h
Hardness Shore A (DIN 53505):	approx. 45
Tensile strength (DIN 53504):	1.8 N/mm <sup>2</sup>
Elongation at break (DIN 53504):	≥ 300%
Application temperature:	+5°C to +40°C

## Handling

### Surface preparation:

The substrate must be clean, dry, and free of dust, grease and oil. Test

Uniflex MS on a case-by-case basis to check adhesion and compatibility. Use the MS Pneumatic Spray Gun to apply the product to structural and profile seams as well as surface coatings. Immediately after applying Uniflex MS, you can paint over it with many water and solvent based paints (for up to two hours). We recommend preliminary tests. If you wait longer to apply paint, some paints may not adhere as well.

### Precautions:

Do not bring Uniflex MS into contact with new polyurethane material that has not hardened completely. There must always be a cartridge in the spray gun. Never put the spray gun away empty. The material in the spray gun will dry out if you do this. Clean the spray gun and all other tools immediately after use. Dried-on material can only be removed mechanically. Attention must be observed with the use of alcohol or alkyd-resin since they may interfere with the curing process of the sealant and reduce the drying time of the paint itself. The hardness and film thickness of the paint may impair the elasticity of the sealant and lead to cracking of the paint film.

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## Notice

Uniflex PU can be stored for 12 months in its original packing at 10° - 25°C in a cool dry place. The storage temperature should not exceed 25°C for extended periods of time. Keep away from heat sources.



## Safety issues

Directions for handling and waste disposal are in our Material Safety Data Sheet and the specifications of the Employers Liability Insurance Association for the chemical industry.

The before mentioned technical data and information, especially the recommendations for applying and using our products, are based on our current knowledge and experience when applied under normal conditions. In practice, the materials, surfaces or site conditions are so different that no warranty regarding the working results or liability, arising out of any relationship, can be inferred neither from this information nor from a verbal consultation, except we are charged with intent or gross negligence. In this case the user is obliged to prove that he has informed us about all points required for a proper and promising judgement in writing, in time and completely. Patent rights of any third party are to be observed. Furthermore, our general sales and delivery Terms and Conditions and the latest Technical Data Sheet, which should be demanded, apply.

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