

# :: UNIFLEX MS

sprayable seam sealer

## CHARACTERISTICS

Permanently elastic, sprayable, single-component seam sealer. Uniflex MS is a polyoxypropylene-mixed-polymer-based product that cures on exposure to atmospheric moisture. Uniflex MS adheres well to glass, many metals (zinc, aluminum, steel), paint and primer, wood, thermosets and thermoplastics (except PE, PP, and PTFE). This product is free of silicones and highly resistant to moisture, weathering, and extreme temperatures.

## APPLICATION

For use in vehicle/body repair, container construction, HVAC technology, metal construction, etc.

## PRODUCT DATA

Chemical basis: SiMP - Sily Terminated Polymer - Hybrid Technology

Cure mechanism: Moisture curing

Specific weight: 1.36 +/- 0.02 g / cc

Colour: Grey

Tack free time at 23°C and 50% r.h.: approx. 30 min.

Curing at 23°C and 50% r.h.: approx. 3mm/24h

Hardness Shore A (DIN 53505): approx. 40

Tensile strength (DIN 53504): 1.7 N/mm<sup>2</sup>

Elongation at break (DIN 53504): ≥ 450%

Application temperature: +5°C to +35°C

Temperature resistance: -40°C / +100°C with peaks at +/- 180°C

Uniflex PU can be stored for 12 months in its original packing at 5° - 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.

## **HANDLING**

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 most paints (for up to two hours). 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.

## **SAFETY ISSUES**

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



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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.

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.

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