

### ■ DESCRIPTION

**Max HS40** is a one-part Silyl-Terminated Polymer sealant. Once extruded it cures by a reaction to the atmospheric moisture to form a high-performance, permanently flexible multipurpose elastic sealant..

### ■ USES

■ **Max HS 40** is an excellent and versatile multipurpose sealant for all jobs involving sealing & bonding regarding a wide range of materials including metals, sheet steel (galvanized, plated, and painted), untreated or anodized aluminum, brass, copper, glass, GRP, wood, concrete and many rigid plastics. Sealing and bonding in the building industry, sealing of low movement wall joints, connecting joints in sheet metal fabrication, and duct work. Suitable for use in Automotive, vehicle body-work, railway carriages, marine, and general fabrication and assembly where a tough flexible rubber joint or a good elastic adhesive is required.

### ■ KEY FEATURES

- Environmental friendly - Free of isocyanates and solvents.
- No Hazard symbol required.
- Odorless
- Permanently flexible in temperatures ranging from -40°C to 100°C short time resistance up to 1200 C.
- No change in volume - No shrinkage.
- No bubble formation.
- Primer-less adhesion on almost every substrate.
- Excellent adhesion on damp surfaces.
- Easy tooling with excellent surface appearance.
- Non-sag consistency - Exceptional thixotropy.
- Neutral behavior, does not attack support surface.
- Vibration and sound damping properties.

### ■ SURFACE PREPARATION

- Pre-test substrates for adhesion. Cleaners and/or primers may be required to achieve □ optimal adhesion. As a rule, the substrates must be prepared following Maxitech instructions; technical guidance regarding adhesion on specific surfaces may be obtained by submitting substrate samples for analysis to our laboratories. Surfaces must be clean, dry, free of water, oil, grease, or rust, and of sound quality. Remove all loose particles or residues with a jet of compressed air, sandpaper, or hard brush. Glass, metal, and other non-porous surfaces must be free of any coatings and wiped clean
- Supply on the plastic nozzle and cut it at an angle according to the desired bead thickness and profile. Fit the cartridge into a manual or pneumatic air-operated gun (provided with a telescopic piston) and extrude the adhesive/sealant carefully preventing air entrapment. Once opened, packs should be used up within a relatively short time. The optimum operating temperature for both substrate and sealant is between 15°C and 25°C. Once opened, packs should be used up within a relatively short time.



MAX HS40

### ■ PACKAGING

PE-cartridge 290ml: 12 cartridges per box  
Alu- bags 600 ml. 20 bags per box

### ■ TYPICAL PROPERTIES

Appearance: Thixotropic paste  
Colour: White, Grey, Black.  
Chemical nature: Terminated polymer  
Curing Mechanism: Moisture-curing  
Curing through volume[mm] (after 1 day at 23°C and 50% r.h.): 2,5  
Tack-free time[min] (23°C and 50% r.h.): 40  
Elastic modulus at 100% [N/mm<sup>2</sup>] (ISO 37 DIN 52504): ≥ 1,4  
Elongation[%] (ISO 37 DIN 53504): ≥ 400  
Application temperature[°C]: from +5 to +40  
Temperature Resistance[°C]: -40°/+100°, with brief points at +150

### ■ FOR BEST RESULTS

- Excellent weathering resistance - extremely good color stability and UV resistance.
- Over-paintable wet on wet with many water or solvent based paints (preliminary tests recommended).
- **Max HS 40** can be stored for 12 months in its original packing (unopened container) 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 wet areas, direct sunlight and heat sources.

### ■ CLEAN UP

Clean tools with acetone or alcohol immediately after use.  
Cured material can only be removed mechanically.

### ■ NOTE

The above technical information is based upon our best knowledge and we shall not be hold liable for any mistake, omission, lack of information due to technical changes between the issue of this TDS and the date the product was acquired. This technical information is strictly indicative and nonexhaustive as well as any information given over the phone. The end user must test the product with its substrate prior using it and verify that it is suitable for the application. If the end user needs more technical information on the product, he must contact the vendor or manufacturer prior using it for its recommended application or for a specific project.

Our liability is subject to the current law and regulations as well as the professional association standards and according to our general terms and conditions of sales.

**FOR INDUSTRIAL USE ONLY: BEFORE USE, REVIEW THE MATERIAL SAFETY DATA SHEET FOR FURTHER INFORMATION, INCLUDING CHRONIC HEALTH EFFECTS.**

**KEEP OUT OF REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY. KEEP CONTAINER TIGHTLY CLOSED. FOR MORE INFORMATION CONSULT THE MATERIAL SAFETY DATA SHEET.**

### ■ DIRECTIONS

- Tooling and finishing must be carried out within the tack-free time of the sealant.
- **Max HS40** can be over-painted. The paint must be tested for compatibility by carrying out preliminary trials. 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. It should be understood that the hardness and film thickness of the paint may impair the elasticity of the sealant and lead to cracking of the paint film.
- Avoid exposure to high levels of chlorine (avoid sealing joints in chlorinated swimming pools). Avoid contact with alcohol and other solvent cleaners during cure. When applying sealant, avoid air-entrapment. Since system is moisture-cured, permit sufficient exposure to air. Bonded elements may require additional holding or support during curing period.



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