

■ DESCRIPTION

Max HS57 is a one-part, high modulus, Silyl-Terminated Polymer elastic adhesive. Once extruded it cures by reaction to the atmospheric moisture to form a high performance, permanently flexible assembly adhesive with high green strength (high viscosity and high initial tack).

■ USES

- **Max HS57** is a powerful and versatile adhesive sealant for all jobs involving elastic bonding of a wide range of materials including metals, sheet steel (galvanised, plated and painted), untreated or anodised aluminium, brass, copper, glass, GRP, wood, concrete and many rigid plastics.
- For use in elastic, structural bonding applications in industrial (assembling of insulated panels; vibration-proof bonding, etc.) automotive, transportation (coach, caravan, refrigerated vehicles, containers) and marine, where a powerful elastic adhesive with High green strength and quick build-up of end strength is required..

■ KEY FEATURES

- Environmental friendly - Free of isocyanates and solvents.
- No Hazard symbol required.
- Odourless.
- Permanently flexible in temperatures ranging from -4°C to 100°C short time resistance up to 120°C.
- No change in volume - No shrinkage.
- No bubble formation.
- Primer-less adhesion on many compact substrates.
- Non-sag consistency - Exceptional thixotropy -load bearing capacity.
- High mechanical/dynamic stress resistance - shock/impact resistant.
- Neutral behaviour, does not attack support surfaces.
- Increase torsional stiffness of final assembly.
- 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 in accordance with these 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 with solvent.
- Screw 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 telescopic piston, because of the high viscosity of the material 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.



MAX HS57

■ PACKAGING

PE-cartridge 290ml : 12 cartridges per box
 Alu- bags 400 ml.: 12 bags per box (on request)
 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.): 3
Shore A hardness [N/mm²]: 55
Tack-free time [min] (23°C and 50% r.h.): 25
Elastic modulus at 100% [N/mm²] (ISO 37 DIN 53504): > 2,2
Tensile strength [N/mm²] (ISO 37 DIN 53504): > 3,0
Elongation [%] (ISO 37 DIN 53504): ≥ 240
Application temperature [°C]: from +5 to +40
Temperature Resistance [°C]: -40°/+80°, with brief points at +120

■ FOR BEST RESULTS

- **Max HS30** 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 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 MATERIAL SAFETY DATA SHEET.

■ ADVANTAGES

- Over-paintable wet on wet with many water or solvent based paints (preliminary tests recommended).
- Resistant to water, diluite alkalis, cleasing agents, lime water and mold.



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