

TECHNICAL DATA SHEET

PENOSIL Premium Motor Sealant

Acid-curing silicone sealant for sealing and insulation in places exposed to high temperatures up to +250 °C. Adheres well to non-porous siliceous materials, such as glass, bricks, ceramic tiles, enamel, glazed tiles and clinker; impregnated, varnished or painted wood; plastics, e.g. epoxide, polyester, polyacrylate and laminate. Remains flexible both at low and high temperatures. UV and weather resistant. Rapid crosslinking: quickly becomes tack-free.

Fields of applications

Sealing of connecting and expansion joints exposed to high temperatures. Sealing of joints exposed to long-term temperatures of +250 °C (for example sealing gearboxes, reducers and motors), for short periods even to temperatures of up to +275 °C.

Suitable for various industrial solutions.

Application conditions

Usage temperature between +5 °C and +40 °C. The application temperature of the sealant must be +20 °C - +25 °C. The application at temperatures lower than +5 °C, can only be carried out when connected surfaces are free of condensation, snow and ice.

Do not use for sealing of engine cylinder or parts continuously exposed to fuel.

Do not use in contact with natural stones such as marble, granite, fibre cement and mortar.

Do not use in contact with metals such as lead, copper, brass, zinc, or aluminium due to corrosion.

Application instructions

The surfaces exposed to the sealant must be clean, dry and free from loose particles such as dust, debris, rust, oil and other contamination. Non-porous surfaces should be cleaned with solvent and a clean, non-fluffy cotton cloth. Solvent rests should be removed before evaporating with a clean cloth.

Cut off the threaded end of the plastic cartridge and screw on the application nozzle for directing silicone. Cut the threaded end in a way where a suitable opening for application of silicone is produced. Place the cartridge together with the nozzle in the silicone gun and fill the installation nozzle with silicone, by repeatedly pressing the gun trigger.

Apply silicone in the joint by repeatedly and evenly pressing on the gun trigger and smoothly dragging the nozzle in a continuous movement along the joint. When smoothing with one's finger, use plenty of soapy water.

Corners of joints may be taped over whilst they are being sealed; however, any tape should be removed immediately after the product has received a finish but before the sealant sets. Ensure adequate ventilation in all joint locations. During the curing process, make sure that no impurities can settle on the surface and that the joint surface is not affected by mechanical load.

Cleaning

Uncured sealant can be removed from hands and surfaces with PENOSIL Premium Cleaning Wipes.

Cured sealant should be removed mechanically first and then softened with PENOSIL Premium Silicone Remover and removed with water and cloth.

Technical data

Properties	Unit	Value
Skin forming time	minutes	10-12
Curing	mm/24 h	3-4
Density DIN 53 479-B	g/cm ³	1,09
Properties of cured sealant		
Elongation at breaking point (ISO 8339)	%	250
Hardness (Shore A) ISO 868		25±2
Movement capability (ISO 11 600)	%	±25
Temperature resistance	°C	-40 to +250

The parameters indicated have been measured at +23 °C and 50% relative air humidity.

Colour

Red.

Package

310 ml plastic cartridge, 12 cartridges in box.

Storage conditions

Guaranteed storage time 18 months starting from the date of manufacture if stored in a closed original package in a dry place between +5 °C and +30 °C.

Safety regulations

Ensure sufficient ventilation during application. Keep out of the reach of children. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Cured silicone sealant can be handled without any danger to health. More specific safety information is available on the safety data sheet (SDS).

Note: The instructions in the present documentation are based on tests carried out by the manufacturer and are presented in good faith. Due to variations in materials and substrates as well as the various application possibilities that are beyond our control, the manufacturer is not liable for the results achieved. In any case, it is recommended to test the product suitability at the place of application. Manufacturer reserves the right to modify products without prior notice. This TDS replaces and supersedes all previous data sheets on the same product.