PENOSIL
We save energy / Wolf Group

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TECHNICAL DATA SHEET

PENOSIL Seal&Fix 709

Single component elastic adhesive sealant based on hybrid polymer that cures due to air humidity and it is silicone, isocyanate, solvent and odour free.

- Elastic, suitable for moving materials, joint types and uneven surfaces.
- Excellent resistance to UV, ageing, weathering.
- Can be use on a moist substrates.
- Can be painted with acrylic paints.
- Great adherence on most building materials.

Fields of application

- Interior and exterior joining and bonding; fixing plinths, profiles, insulation and decorative panels etc.
- Establishing permanent connections and sealing on surfaces that expand, shrink or move due to environmental conditions by up to 12,5%.
- Insulation and sealing of connections, also on surfaces where acid-curing silicone or less elastic sealants cannot be used.
- Insulation and sound insulation for equipment in the field of ventilation, sewage, and car industry, as well as for audio equipment.
- Smoothing and insulation of floor and panel joints.
- To strengthen screw connections.
- Chemical resistance: resists fresh, salted and hard water as well as aqueous household agents, spills of hydrocarbons, diluted acids and bases.

Adhering

- Concrete
- Wood
- Bricks and masonry
- Aluminium
- Galvanized steel
- PVC
- EPDM

Application instructions

Application conditions
Application temperature between +5 °C and +40 °C.

Surface preparation
The surfaces must be dry, clean from dust, loose particles and oil. Non-porous surfaces should be cleaned with solvent and a clean, non-fluffy cotton cloth. Solvent excess should be removed before evaporating with a clean cloth.

Application method
Cut off the threaded end of the cartridge and screw on the application nozzle for directing adhesive. Cut the threaded end in a way where a suitable opening for application is produced. Place the cartridge together with the applicator in the gun and fill the installation nozzle with adhesive, by repeatedly pressing the gun trigger. Apply the adhesive to the surface to be connected and immediately press to the substrate.

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Support until product is fully cured. Protect the adhesive against moisture and ensure a good ventilation during the curing period.

Cleaning
Clean the uncured adhesive with solvent such as acetone or use special cleaning wipes. Cured adhesive can only be removed mechanically.

Technical data

Properties	Value	Unit
Basis	Hybrid	
Consistency	Paste	
Density (DIN 53 479-B)	1,55	g/ml
Open time	10	min
Curing rate	2…3	mm/24h
Application temperature	+5...+40	°C
Service temperature	-40...+80	°C
Movement capability (ISO 11600)	12,5	%
Shore A hardness (ISO 868)	50	
E-Modulus 100% (ISO 37)	1,9	N/mm²
Tensile strength (ISO 37)	2,0	N/mm²
Elongation at break (ISO 37)	125	%
E-Modulus 100% (ISO 8339)	0,7	N/mm²
Tensile strength (ISO 8339)	0,8	N/mm²
Elongation at break (ISO 8339)	86	%
Cured adhesive shear strength (WGM214)	19	kg/cm²
Cured adhesive tensile strength (WGM214)	8	kg/cm²

The values specified were obtained at +23 °C and 50% relative humidity, unless otherwise specified. These values may vary depending on environmental factors such as temperature, moisture and type of substrates.

Technical classification and certificates

- EN 15651-1:2012: Type F-INT-EXT-CC: CLASS 12,5E
- EN 15651-3:2012: Type S: CLASS S2
- EMICODE® EC 1 Plus - very low emission

Colour

White.

Package

290 ml cartridge, 12 pcs in a box.

Storage conditions and shelf life

Guaranteed storage time 12 months starting from the date of manufacture if stored in a closed original package in a dry place between +5 °C and +30 °C.

Limitations

- Do not use for sealing aquariums and underwater joints.
- Test before using on natural stone.
- There is no adhesion to PE, PP, PTFE (Teflon®).

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- Due to the wide variety of possible substrates, we recommend a preliminary compatibility test.

Safety regulations

Ensure sufficient ventilation during application and wear necessary personal protective equipment. 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.