

TECHNICAL DATASHEET

PENOSIL Premium ClearFix 705

General-purpose hybrid polymer based transparent adhesive sealant for sealing and bonding glass, mirror and other transparent materials. Suitable for most substrates, including wet substrates, does not cause corrosion on metals. Very easy to use and finish, stays elastic after curing. PENOSIL Premium ClearFix 705 is UV and weather resistant, paintable, does not shrink during the curing process, and does not contain harmful ingredients.

Field of application

Suitable for gluing and sealing indoors and outdoors. Adheres well to most building materials such as brick, concrete, steel, galvanized steel, stainless steel, anodized aluminium, zinc, wood, plaster, chipboard, cork, glass, ceramic, AlMgSi0.5, porcelain and many plastics (e.g. PVC, PST, ABS, PC, PMMA, FRP). Does not adhere to PE (polyethylene), PP (polypropylene), PTFE (Teflon®), silicones and bitumen surfaces. Used for gluing slats, mirrors, glass, ceiling and wall decorations; for fastening conduits and joint boxes during electrical works; filling in cracks and gaps at construction sites. Resistant to water and chemicals, such as aliphatic solvents, mineral oils, fats, diluted inorganic acids and alkalis. Moderately resistant to chemicals such as aromatic solvents and concentrated acids.

Application conditions

All surfaces must be clean, dry, dust free, and cleaned from dirt, fat and oil. Application temperature +5 °C to +40 °C. Do not use for sealing aquariums and underwater joints. Test before using on natural stone. The compatibility between the paint and the adhesive sealant should be tested, as there may be incompatibilities.

Application instruction

Test the adhesion of the adhesive sealant on the substrate before use in order to make sure that the product is suitable for the intended purpose. The surfaces must be free from fat, oil, dust and loose particles.

Cut off the threaded end of the cartridge and screw on the application nozzle for directing adhesive. Cut the threaded end at an angle of 45° so that a suitable opening for application is produced.

Place the cartridge together with the applicator in the gun, preferably the PENOSIL Sealant Manual Gun, and fill the installation nozzle with adhesive sealant, by repeatedly pressing the gun trigger.

For a clean installation joint, use masking tape before placing the detail. Remove the tape before final curing of the adhesive.

For gluing, the surfaces to be adhered should be covered with the adhesive and then pressed together. Leave the parts under pressure for 2 hours. For critical joints and heavier glued parts, the parts should be kept under pressure until the mass has completely cured (see technical information).

For sealing, apply the general-purpose adhesive sealant in the joint and smoothen it using your finger moistened in soap water or with a silicone scraper before a film forms.

During the curing process, make sure that there is no dirt on the surface and that no mechanical load is applied to the joint surface.

Cleaning

Use PENOSIL Premium Cleaning Wipes or organic solvents such as acetone or white spirits for removing uncured adhesive sealant. Cured adhesive sealant should be removed mechanically.

Technical specification

Property	Unit	Value
Tack free time	minutes	10-25

Final curing	mm/24h	2,5-3
Density (DIN 53479)	g/cm ³	1,05±0,05
Hardness (Shore A) (DIN 53505)		35±5
Tensile strength at breaking point (ISO 8339)	N/mm ²	0,8±0,05
Tensile strength at breaking point (ISO 37)	N/mm ²	2,1±0,1
Modulus at 100% Elongation (ISO 8339)	N/mm ²	0,75±0,05
Modulus at 100% Elongation (ISO 37)	N/mm ²	0,61±0,05
Elongation at breaking point (ISO 8339)	%	120±10
Elongation at breaking point (ISO 37)		290±20
Temperature resistance after curing	°C	-40 to +80
Application temperature	°C	+5 to +40

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

Colour

Transparent.

Package

290 ml cartridge, 12 cartridges in box.

Storage

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.

Safety

Ensure sufficient ventilation during application. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Keep out of the reach of children. More information available on the product safety data sheet (SDS).

Waste treatment

Completely empty the package and dispose according to requirements.

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.