

SpeedFix Mirror 364

NEUTRAL CURING SILICONE BASED MIRROR ADHESIVE

PRODUCT DESCRIPTION

PENOSIL SpeedFix Mirror 364 is a neutral curing silicone based adhesive that cures with atmospheric moisture providing a strong permanent flexible bond for mirrors to painted surfaces, tiles, metal or wood. It does not contain corrosive or strong smell additives.

PENOSIL SpeedFix Mirror 364 preserves all properties of elasticity and adherence with no ageing problems, remaining stable to atmospheric agents.

MAIN BENEFITS

- Fast and strong bonding.
- Good adhesion with many materials. Does not need primers.
- Does not affect reflective layer.
- Non-corrosive.
- Permanently elastic bond. Supports contractions and dilatations produced by sudden thermal changes.
- Excellent resistance to moisture.
- As it doesn't contain solvents it doesn't shrink.
- It doesn't flow.
- Indoor / outdoor.
- Low odour.
- Easy to use.

ENVIRONMENTAL REGULATIONS

- French VOC-emission class A+.

PACKAGING INFORMATION

The product is available in 300 ml cartridges (24 u./box)
Other packaging is available under request.

COLOURS INFORMATION

White and Transparent.
Other colours are available on special order.

STORAGE

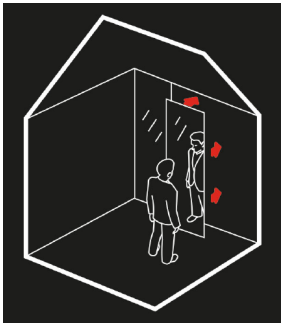
The shelf life is 12 months in its unopened original packaging, in dry conditions and protected from direct sunlight at temperatures between +5°C and +30°C.



* Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).

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FIELDS OF APPLICATION



PENOSIL SpeedFix Mirror 364 is mainly used for bonding and installing mirrors and stained glass on different supports, being compatible with the usual varnishes of the mirrors.

TYPICAL TECHNICAL DATA

Basis:		Neutral silicone
Consistency:		Thixotropic paste
Specific gravity:	(ISO 2811-1)	Approx. 1,02 g/ml
Skin forming time:	(OQ.16-internal)	5-10 minutes (at 23°C; 50% R.H.)
Shore A hardness:	(ISO 868)	Approx. 24
Total VOC content:	(SCAQMD rule 1168)	Approx. 36,5 g/l
Consumption:	(Nozzle diameter: 8mm)	Approx. 50 ml/linear meter
Application temperature:		+5°C to +40°C
Service temperature:		-40°C to +150°C
<u>Tensile properties:</u>		
ISO 37 (2mm thickness, S2 dumbbells, 7 days, 23°C;50% R.H.)		
E-Modulus 100%		0,40 MPa
Tensile strength		1,45 MPa
Elongation at break		600%

These values may vary depending on environmental factors such as temperature, moisture, and type of substrates. The time until complete curing may be extended at lower temperature, lower humidity or increasing film thickness.

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DIRECTIONS FOR USE

Surface preparation and adhesive application

A. Cleaning and surface preparation:

Substrates must be clean, dry, and free of dust, grease and other contaminant which may affect the adhesion. Cleaning the surfaces must be done with the appropriate products in each case and following the manufacturer's instructions and recommendations. Non-porous surfaces (such as aluminium, glass, etc.) should be cleaned with a suitable solvent and thoroughly dried with a clean cloth. Porous substrates (such as concrete, brickwork, etc.) must be mechanically cleaned from loose particles.

B. Primer:

PENOSIL SpeedFix Mirror 364 adheres well to supports normally used to glue mirrors, such as glass, vitrified surfaces, tiles, ceramics, concrete, cement, wood, metals and many others. However, in case of doubt about the quality of the support or mirror paint, a preliminary adhesion test is always recommended on every surface. Sometimes, it may be necessary to treat the joint surfaces with a primer to obtain better adhesion performances.

Primers:

Product:	Application
PENOSIL Primer Porous Surfaces 481	Porous surfaces. (e.g. concrete, cement, marble, natural and artificial stone, etc.)
PENOSIL Primer Non-porous Surfaces 482	Non-porous surfaces. (e.g. aluminium, iron, stainless steel, zinc, copper, brass, painted surfaces and most plastics)
PENOSIL Primer All Surfaces 488	All surfaces. Substrates exceptionally difficult to adhere on.

C. Adhesive application:

After substrate preparation, apply the sealant in the joint by repeatedly and evenly with a professional caulking gun. Observe the eventually used primer's open time before filling the joint.

D. Tooling and finishing:

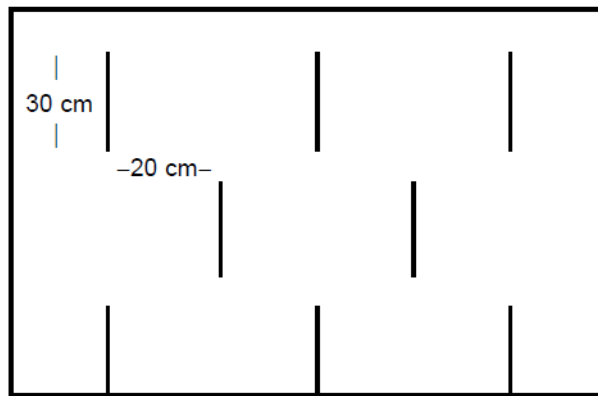
The product will cure in about 24 hours, although the curing time will depend on the thickness of the bead, the type of support and the application conditions. It is important not to move the mirror until the adhesive cures, to avoid poor adhesion.

Uncured product may be easily removed with solvents such isopropyl alcohol or "white spirit". Cured sealant must be removed mechanically.

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MIRROR PLACEMENT

PENOSIL SpeedFix Mirror 364 should be applied in the form of thin, discontinuous vertical beads of approximately 30 cm. in length, with a distance of about 20 cm. between them, in such a way that there is free circulation of air and according to the attached diagram.



Place the mirror using pressure such that the thickness of the resulting beads is 2-3mm.

It is recommended to place shims or another mirror support system while the silicone cures. Double-sided adhesive tape can be used.

Joints between mirrors: a reasonable time of 48 hours is recommended between placing the mirror and sealing the joints to allow vapours to circulate freely.

Remarks

Do not use PENOSIL SpeedFix Mirror 364 on bituminous substrates or on building materials which might bleed oils, plasticizers or solvents. (e.g. rubber, chloroprene, EPDM, ...).

There is no adhesion to PE, PP, PTFE (Teflon®). Due to the wide variety of possible substrates, we recommend a preliminary compatibility test.

PENOSIL SpeedFix Mirror 364 cannot be painted.

Not suitable for structural glazing.

Safety

Uncured product must be used in well-ventilated areas, avoiding skin and eye contact.

Keep out of the reach of children.

The information regarding the safety of the product is available on safety data sheet (SDS). Before using the product, we recommend to read carefully the SDS and the safety labels.

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GUARANTEE INFORMATION

WOLF GROUP warrants that its product complies, within its shelf life, to its specification.

If any responsibility were to be considered ours, this would be only for any damages and for the value of the merchandise supplied by us and used by the customer. It is over understood that we warranty the irreproachable quality of our products in accordance with our General Conditions of Sales and Supply.

Liability

The information in this document, in particular recommendations regarding the application and final use of our products, are given in good faith based on our knowledge and is the result of tests and experience and are intended as guidelines. It is the responsibility of the user to determine whether the product is suitable for the application. Due to the great variety of materials and conditions, which are beyond our knowledge and control, we recommend carrying out sufficient previous trials.

The property rights of third parties must be respected.

TECHNICAL DATA SHEET
Penosil SpeedFix Mirror 364
v01 - 04.2024

This TDS replaces and supersedes all previous data sheets on the same product.

[penosil.com](https://www.penosil.com)