

SpeedFix Seal&Bond 751

TRANSPARENT HYBRID ADHESIVE

PRODUCT DESCRIPTION

PENOSIL SpeedFix Seal&Bond 751 is a one-part, high modulus adhesive-sealant, based on innovative hybrid polymer technology, that cures with the atmospheric moisture producing a flexible rubber.

PENOSIL SpeedFix Seal&Bond 751 is engineered for a wide range of transparent bonding and sealing applications, with excellent adhesion to most substrates. It preserves all properties of elasticity and adherence with no ageing problems, remaining stable in front of atmospheric agents.

Completely weather resistant, neutral and odourless curing, PENOSIL SpeedFix Seal&Bond 751 has minimal health and safety considerations because does not contain solvents, silicones or isocyanates.

MAIN BENEFITS

- Crystal clear bonding.
- Fast curing, nearly no shrinkage.
- High final strength. Elastic bonding.
- Excellent adhesion to a wide range of materials.
- Very good UV, weather and ageing resistance.
- Silicone, isocyanates and solvent free.
- Non-corrosive.
- Absorbs impacts and vibrations.
- For both interior and exterior applications.
- Can be applied to damp surfaces.

PRODUCT CERTIFICATIONS

PENOSIL SpeedFix Seal&Bond 751 meets the following specifications:

- CE Marking: EN 15651-1 F-INT
- UKCA Marking: BS EN 15651-1 F-INT

ENVIRONMENTAL REGULATIONS

- French VOC-emission class A+.

PACKAGING INFORMATION

This product is available in 290 ml cartridges (24 u./box, 56 boxes/pallet).

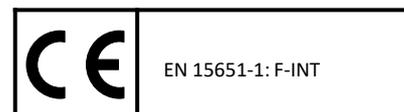
* European pallets: 120x80 cm
Other packaging is available under request.

COLOURS INFORMATION

Transparent.

STORAGE

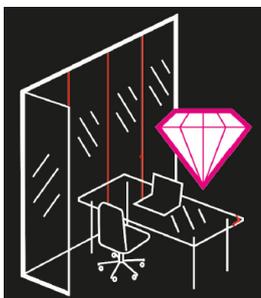
The shelf life is 12 months in its unopened original packaging, in dry conditions and protected from direct sunlight at temperatures between +5°C and +25°C.



* 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



- Adhesive & sealant particularly recommended for materials used in construction, kitchens and bathrooms, installation of cold room and air-conditioning, metal connecting joints and other industrial applications.
- All applications where a clear adhesive/sealant is required, indoors and outdoors.
- Bonding glass to metal in furniture industry and decoration.
- Bonding of material subjected to vibrations.
- All supports sensitive to solvents.
- It is recommended for sealing weak movement joints on vertical and horizontal surfaces.

TYPICAL TECHNICAL DATA

Basis:		Hybrid polymers
Consistency:		Non-slump paste
Specific gravity:	<i>(ISO 2811-1)</i>	Approx. 1,03 g/ml
Skin forming time:	<i>(OQ.16-internal)</i>	10-12 minutes (at 23°C; 50% R.H.)
Curing rate:	<i>(OQ.18-internal)</i>	2-3 mm/24 h
Resistance to flow:	<i>(ISO 7390)</i>	Approx. 0 mm (at 5°C and 50°C)
Consumption:	<i>(Nozzle diameter: 8mm)</i>	Approx. 50 ml/linear meter
Shore A hardness:	<i>(ISO 868)</i>	Approx. 50
Application temperature:		+5°C to +40°C
Service temperature:		-30°C to +80°C
<u>Tensile properties:</u>		
ISO 37 (2mm thickness, S2 dumbbells, 7 days, 23°C;50% R.H.)		
E-Modulus 100%		1,30 MPa
Tensile strength		2,00 MPa
Elongation at break		200%

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 application

A. Cleaning and surface preparation:

The surfaces to joining must be clean and free of old residues, polish, dust, grease and other contaminant which may affect the adhesion. It is recommended that they are also dry or eventually damp, but not wet supports are preferable. Painted surfaces must be well cured and free of loose paint.

If necessary, fill all the perforations and irregularities of the support, trying to obtain a support as flat as possible.

The product is suitable for many types of construction materials: brick, roof tiles, sanitary, galvanized steel, stainless steel, iron, lacquered aluminium, anodized aluminium, painted metals, wood, glass, polycarbonate, PVC, etc. However, a preliminary adhesion test is always recommended on every particular surface.

B. Primer:

PENOSIL SpeedFix Seal&Bond 751 adheres to most common construction materials without primer, however, a preliminary adhesion test is recommended on every surface. Sometimes it may be necessary to treat the surfaces with a primer to obtain better adhesion performances. Please contact us for technical assistance.

C. Adhesive application:

After substrate preparation, apply the adhesive with a professional caulking gun, evenly. Observe the eventually used primer's open time before applying.

Apply in strips or little spots on the bonding surface at intervals of a few centimetres. Place immediately the surfaces together in the required position and press firmly.

If necessary, use adhesive tape, wedges or props to hold the assembled element for the initial hours of curing. An incorrectly positioned element can be easily unfastened and repositioned in the first few minutes after application. Apply pressure again.

D. Curing:

Optimum bonding will be obtained after completed curing, i.e. after 24 to 48 hours at +23°C for a thickness between 2 to 3 mm.

E. Cleaning:

Uncured product may be easily removed with alcohol. Cured sealant must be removed mechanically.

Remarks

Do not use PENOSIL SpeedFix Seal&Bond 751 as a glazing sealant, 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.

Paintability: Due to the large number of paints and varnishes available we strongly suggest a compatibility test before application.

Safety

Uncured product has to 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 Seal&Bond 751
v01 - 04.2023

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

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