

SpeedFix Seal&Bond 750

FAST AND ELASTIC HYBRID ADHESIVE

PRODUCT DESCRIPTION

PENOSIL SpeedFix Seal&Bond 750 is a one-component, permanently elastic, fast curing adhesive/sealant, based on innovative hybrid polymer technology, for both indoor and outdoor applications.

PENOSIL SpeedFix Seal&Bond 750 is engineered for use in a wide range of bonding and sealing applications, with excellent adhesion to most substrates.

Completely weather resistant, neutral and odourless curing, PENOSIL SpeedFix Seal&Bond 750 has minimal health and safety considerations because does not contain solvents, silicones or isocyanates.

MAIN BENEFITS

- High performance mechanical properties.
- Fast curing, nearly no shrinkage.
- Excellent adhesion to a wide range of materials.
- Very good UV, weather and ageing resistance.
- Silicone, isocyanates and solvent free.
- Non-corrosive.
- Easy to apply, even in adverse conditions and low temperatures.
- For both interior and exterior applications.
- Can be applied to damp surfaces.
- Permits painting, with water-based paints and many other systems (test previously).

PRODUCT CERTIFICATIONS

PENOSIL SpeedFix Seal&Bond 750 meets the following specifications:

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

ENVIRONMENTAL REGULATIONS

- EMICODE® EC 1 Plus: very low emission.
- 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.

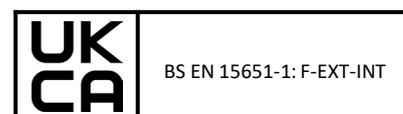
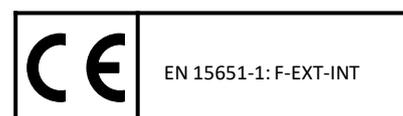
COLOURS INFORMATION

White and black.

Other colours are available on special order.

STORAGE

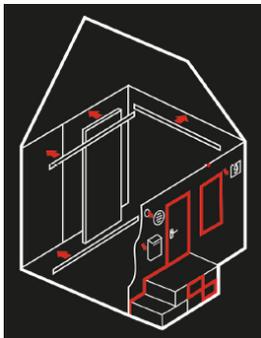
The shelf life is 12 months in its unopened original packaging, in dry conditions and protected from direct sunlight at temperatures between +5°C and +25°C.



* 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).

PENOSIL SpeedFix Seal&Bond 750

FIELDS OF APPLICATION



- Multipurpose bonding and sealing in the building sector, even onto humid and damp surfaces.
- Installation (bonding and sealing) of windowsills, skirting boards, parapets, decking, etc.
- Adhesion in constructions with vibrations (vehicle body, containers, metal-to-metal, ...).
- Elastic adhesion and sealing in many different industrial applications.
- Connection low movement wall joints (horizontal and vertical), e.g. joints between window or door frames and brickwork, for stairs, balconies, etc.
- Joints in ventilation & air-conditioning ductwork.

TYPICAL TECHNICAL DATA

Basis:		Hybrid polymers
Consistency:		Non-slump paste
Specific gravity:	(ISO 2811-1)	Approx. 1,58 g/ml
Skin forming time:	(OQ.16-internal)	15-20 minutes (at 23°C; 50% R.H.)
Curing rate:	(OQ.18-internal)	2-3 mm/24 h
Resistance to flow:	(ISO 7390)	Approx. 0 mm (at 5°C and 50°C)
Consumption:	(Nozzle diameter: 8mm)	Approx. 50 ml/linear meter
Shore A hardness:	(ISO 868)	Approx. 58
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%		1,70 MPa
Tensile strength		2,20 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.

PENOSIL SpeedFix Seal&Bond 750

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: concrete, brick, marble, tiles, ceramics, fibre-concrete, galvanized steel, stainless steel, iron, lacquered aluminium, anodized aluminium, painted metals, wood, glass, PVC, etc. However, a preliminary adhesion test is always recommended on every particular surface.

B. Primer:

PENOSIL SpeedFix Seal&Bond 750 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 750 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.

PENOSIL SpeedFix Seal&Bond 750

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 750
v01 - 04.2023

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

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