

FANXISIL[®]



FANXISIL 9000



Neutral Silicone Sealant

www.thuanthienthanh.vn

Product description

FANXISIL® 9000 is a one-component, neutral-curing, high modulus silicone sealant with outstanding adhesion, long shelf life and excellent tooling characteristics for construction and exterior weather sealing applications.

Properties

FANXISIL® 9000 cures at room temperature under the action of atmospheric moisture to give a permanently flexible silicone rubber.

Special features

- almost odorless
- matt finish
- long shelf life
- non-sag
- excellent tooling characteristics for professional use
- ready gunnability at low (+ 5 °C) and high (+ 40 °C) temperatures
- rapid crosslinking: quickly becomes tack-free and crack resistant
- solvent-free, thus featuring low volume shrinkage during vulcanization
- flexible at low (-40 °C) and high temperatures (+150 °C)
- excellent weatherability
- non-corrosive to metals
- suitable for alkaline substrates such as concrete, mortar, fibrous cement

Application

- sealing of connection and expansion joints in the building industry
- sealing of perimeter joints
- sealing of joints between glazing and supporting structure (frames, transoms, mullions)

Restrictions on use

- FANXISIL® 9000 must not be used for insulating glass applications

It is the responsibility of the user to test the compatibility of the sealant with the adjoining materials. Incompatible substances like coating materials (paints, varnishes and glazes) or organic plasticizer containing rubbers (EPDM, butyl and neoprene) can lead to discoloration or other impairments like loss of adhesion of the sealant. Materials in direct contact with the applied sealant like cleaning agents and materials in indirect contact like gaseous emissions can damage the sealant in its function or change its appearance. Because of the multitude of these materials, FANXISIL cannot make a general statement to the compatibility of materials with the sealant. In case of doubt the user shall conduct appropriate preliminary tests

- FANXISIL® 9000 is not recommended for use on natural stones, such as marble, granite, quartzite, as it can cause staining
- FANXISIL® 9000 is not recommended for sealing of aquaria or for longerterm use under water
- FANXISIL® 9000 is not suitable for food grade applications where the joints are likely to come in contact with food
- FANXISIL® 9000 is not suitable for use as a mirror adhesive
- the time until complete curing may be extended at lower temperature, lower humidity, increasing film thickness or by low volume of air exchange
- the use of tooling agents should be avoided if possible. Otherwise, water or a diluted solution of a little neutral soap or alcohol in water should be sparingly applied

Adhesion

FANXISIL® 9000 exhibits excellent primerless adhesion to many substrates, e.g. glass, tiles, ceramics, enamel, glazed tiles and clinker; metals, e.g. aluminium, steel, zinc or copper; impregnated, varnished or painted wood, and many plastics.

Users must carry out their own tests due to the great variety of substances.

The adhesion can be improved in many cases by pretreatment of the substrates with a primer. If adhesion difficulties arise please contact our technical service.

Processing

The substrate areas that will be in contact with the sealant must be clean, dry and free of all loose material, dust, dirt, rust, oil and other contaminants. Non-porous substrates should be cleaned with a solvent and a clean, lint-free, cotton cloth. Remove residual solvent before it evaporates with a fresh clean, dry cloth.

Storage

The 'Best use before end' date of each batch is shown on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Additional information

Specifications

FANXISIL® 9000 meets following specifications:

- EN 15651-1, class F-EXT-INT-CC 25LM

- EN 15651-2, class G-CC 25LM
- EN 15651-4, class PW-EXT-INT-CC 25LM
- ISO 11600 F+G, class 25 LM
- Label SNJF Vitrage, class 25 E
- Label SNJF Facade, class 25 E
- ASTM C920, class 50/50

Safety notes

During vulcanization methanol and ethanol are released. These vapors should not be inhaled for long periods or in high concentration. Hence, good ventilation of the work place is necessary. Should uncured silicone rubber come into contact with eyes or mucous membranes, the affected area must be rinsed thoroughly with water as irritation will otherwise be caused. Cured silicone rubber, however, can be handled without any risk to health.

Keep out of reach of children.

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from FANXISIL subsidiaries or may be printed via FANXISIL web site <http://www.thuanthienthanh.vn>

Product data

Typical general characteristics	Inspection Method	Value
Unvulcanized		
Density at 25 °C, at 1013 hPa	DIN 51757	1,37 g/cm ³
Consistency	ISO 7390	non-sag
Extrusion rate at 6 bar	internal method	130 ml/min
Skin forming time at 23 °C / 50 % r.h.	internal method	20 min
Vulcanized		
Modulus at 100 % elongation	ISO 8339-A	0,40 N/mm ²
Tensile strength	ISO 8339-A	0,5 N/mm ²
Elongation at break	ISO 8339-A	250 %
Hardness Shore A	ISO 868	37
Movement capability	ISO 9047-A	± 50 %
Color	White, Black, Grey	

These figures are only intended as a guide and should not be used in preparing specifications.

Classe: mastic élastique GF 25E

The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

FANXISIL® is a trademark of Thuan Thien Thanh Trading Service Production CO LTD

For technical, quality, or product safety questions, please contact:

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