

DOMOSIL-FIRE 300

High temperature silicone sealant

Description

DOMOSIL-FIRE 300 is an acetic silicone, suitable for use under high temperature conditions.

- Withstands temperatures up to +250°C under constant use and up to +300°C under temporary use (a few days).
- Adheres perfectly to any kind of non-porous material, such as glass, tiles, ceramics, enamel, glass blocks, roof tiles, painted or varnished wood, epoxy coats, polyesters, polyacrylics, plastic laminate and several plastics.
- Resistant to oil, grease, water, antifreeze and valvolines.
- Highly resistant to aging.

Fields of application

DOMOSIL-FIRE 300 is suitable for sealing in high temperatures. It is ideal for sealing in machine, car, pump flanges, etc., valve caps, exhaust and ventilation pipes.

Technical data

Basis:	acetic silicone
Colors:	red (cannot be painted)
Film formation:	after 6 min
Curing speed:	4.0 mm/day
Tensile strength:	2.2 MPa
Elongation at break:	500%
Hardness according to SHORE A:	20 ± 2
Application temperature:	+5°C to +40°C
Resistance to temperature fluctuations:	-60°C to +250°C
Application thickness:	3-40 mm

Directions for use

1. Substrate preparation

The substrate should be clean, free of dust, oily or loose materials, etc. It is recommended to clean the joint with a brush or wire brush and then with compressed air.

In order to avoid undesired soiling of the joint edges, a self-adhesive paper-tape is applied along them and is removed immediately after sealing the joint (before a superficial film starts to form).

2. Application

The cartridge is inserted in the special gun and the nozzle is cut slantwise, so that it does not fit into the joint, but barely touches and slides along the edges.

The sealant is applied by moving the cartridge along the joint axis at a 45° angle.

While the material is still fresh, the sealant should be pressed smooth with a trowel or your finger.

Cleaning of tools:

Tools should be thoroughly cleaned with water, while the material is still fresh. After the material has hardened, the tools should be mechanically cleaned.

Consumption

- Joint 10mm x 10mm: 1 cartridge/3 m of joint.
- Joint 5mm x 5mm: 1 cartridge/12 m of joint.

Packaging

280 ml cartridge.

Shelf-life/Storage

12 months from production date, in spaces protected from frost, moisture and high temperatures.

Remarks

It should not be applied: on marble, alkaline substrates, such as concrete or plaster, or metal surfaces made of lead, copper, bronze or zinc, as it may corrode them.