

DUROSIL FIRE



High temperature fire resistant silicone, rated up to +300°C



PROPERTIES

Silicone suitable for flexible sealing and bonding that is subjected to high thermal stresses up to +300°C. It is highly durable to a vast range of chemicals, while creating unbreakable bonding on steel, iron and stainless steel. Resistant to oils, grease, gear oils, water, antifreeze fluids.

APPLICATIONS

DUROSTICK DUROSIL FIRE is ideal for creating engine gaskets (cars, motorcycles, boats, etc.), and for repairing pumps, valve covers and exhaust pipes, leaking car radiators etc.

Essential for sealing joints in the process of constructing ovens, boilers, water heater installations and air condition units, vents as well as washing machines. It prevents smoke leaks from wood stove duct joints.

USE

1. Surface preparation

The substrate must be dry and free of oils, grease and dust.

2. Application

Place the nozzle in the joint and press (when working with a blister tube). Joints to be filled should be no less than 3mm and no more than 40mm wide.

NOTE

After hardening, the product is harmless to health.

LIMITATION OF USE

- It is not recommended to apply it to materials made of lead, copper, bronze, zinc, because it corrodes them.
- Its application in marble, concrete, plaster is not recommended, since during its polymerization process, the product releases acetic acid that erodes the above materials.

CONSUMPTION

Indicatively, one 310ml cartridge fills 8 linear meters of 6x6mm joint (width by depth).

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STORAGE

Store in places protected from low temperatures and away from any heat source, for at least 12 months from production date.

SAFETY DIRECTIONS

The product needs no hazard labeling under current European and national legislation. However, it is recommended to keep away from the reach of children. If swallowed, seek medical advice and show the container or label. Before use, refer to the cautions on the product packaging or the Material Safety Data Sheet.

PACKAGING

Carton box with 12 tubes of 80ml (blister tube)
Carton box with 12 cartridges of 310ml



TECHNICAL SPECIFICATIONS

Base	Polymer silicone acetate crosslinking
Color	Non-paintable Red
Skin formation time	7 - 15 min. (23°C, 50% R.H.)
Curing rate	4 mm/ day (23°C, 50% R.H.)
Temperature resistance	From -60°C to +300°C
Application temperature	From +5°C to +40°C
Shore-A hardness (3s)	25±2
Elongation at break (ASTM D412)	400%
Shrinkage	Negligible
Tensile strength at break (ASTM D412)	2.8MPa

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The technical specifications and directions of use contained in this technical brochure are the results of the knowledge and experience of the company's research and development department, as well as from the real-life applications of the product. The recommendations and suggestions regarding the use of the products are made without guarantee since the respective conditions during their application are beyond the control of the company. For this reason, it is the user's responsibility to make sure that the product is suitable for the intended application as well as the application conditions of the project.