

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, oils, grease, water, antifreeze and transmission fluids. Presents unbreakable bonding on steel, iron and stainless steel.

■ APPLICATIONS

DUROSTICK's 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 oven joints, chimneys, heating systems and air condition units, vents as well as washing machines.

It prevents smoke leaks from wood stove duct joints.

■ LIMITATIONS 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.

■ 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.

The technical specifications and directions of use contained in this technical data sheet 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.

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■ CONSUMPTION

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

■ STORAGE

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

■ SAFETY DIRECTIONS

The product needs no hazard labeling, based on 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.

■ PACKAGING

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

TECHNICAL SPECIFICATIONS

■ Base	Acetate crosslinking silicone polymer
■ 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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