Technical data sheet

PARASILICO FR



CHARACTERISTICS

- High quality neutral alcoxy curing, 1-component silicone sealant
- Permanent elasticity
- Very easy to apply
- Excellent adhesion to almost all building materials
- Fire retardant
- High resistance to UV
- Foaming upon contact with fire
- High resistance to ageing and weather conditions
- Does not contain halogens and isocyanates
- Matte finish

APPLICATIONS

- Sealing of glazing joints.
- Sealing of connection and expansion joints in facades, interior walls, between frame and wall, etc.
- Sealing of joints where high demands are made regarding fire safety.

TECHNICAL CHARACTERISTICS	
Type of product	Polysiloxanes
Density (g/ml)	1.4
Consistency	Pasta
Application temperature	+5°C - +40°C
Temperature resistance	-40°C - +150°C Retains its fire resistant function for a certain time when in contact with heat and fire.
Curing system	Curing by air humidity
Curing speed at 23 degrees C and 50% R.H. (mm, after 24h)	1 - 2
Skin forming time at 23°C and 50% R.H. (min.)	20
Shore A hardness: ISO 868	22
Elastic recovery capacity: ISO 7389	> 90%
Maximum permissible deformation: ISO 11600	25%
Modulus at 100% elongation: ISO 8339 (N/mm^2)	0.4
% Elongation at break: ISO 8339	250
Shelf life of unopened product	12 months
Storage conditions	Store in a dry, cool place at +5°C to +25°C. Keep out of direct sunlight.

PACKING AND COLOURS

25 x cartridge 300ML/box - 1200 pieces/pallet
White, RAL7045 Telegrey 1

METHOD OF USE

Preparation

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DL CHEMICALS Since 1936 Manufacturer of Sealants

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- Use in well-ventilated rooms. Good ventilation is important during application and curing of the product.
- The surfaces must be solid, dry and free of dust and grease.
- If needed degrease the materials to be glued with Parasilico Cleaner, MEK, fire alcohol, ethanol.
- The user needs to make sure that the product is suitable for the application. Consult our technical service if necessary.

Primers

- Absorbent surfaces: Silicone Primer Porous Surfaces (transparent, drying time about 60 min.).
- Non-absorbent surfaces: Silicone Primer Non-Porous Surfaces (transparent, drying time about 60 min.).
- The use of a primer may be necessary on very porous substrates, in the event of difficulty in adhesion or in demanding conditions of use.

Application

- Apply the product from the cartridge or foil packaging with a manual or pneumatic caulking gun.
- The size and shape of the joint is very important. Avoid thin joints.
- Do not subject the joint to thermal, mechanical or chemical stress before curing is complete.

Joint dimensions

- Suitable joint widths from 5 mm to 30 mm
- Joints with a width up to 10 mm: joint depth should equal joint width
- Joints wider than 10 mm: joint depth = (joint width/3) + 6 mm.

Tooling

- Smooth surface before skin formation with Perfect Joint Tooling Agent and/or the Perfect Joint Tool
- Avoid that tooling agent ends up on the surface before applying the silicone. Silicone does not adhere to a damp surface.

Cleaning

- Tools, surfaces and uncured residues can be removed with Parasilico Cleaner, Multi-Purpose Super Cleaner or Cleaning Wipes. Remainder of silicone can be removed with Silicone Remover after curing
- After curing remove mechanically.

Repairing

It is recommended to use the same product.

Fire resistance

- Respecting the joint dimensions is essential for the fire rating properties of the sealant.
- At joint width 20 mm and joint depth 10 mm with ceramic fibre (20 mm thick) as backfill, the integrity is 241 minutes. The insulating capacity (time when the temperature at the back of the back padding has increased by 180°C) is 70 min. (EN1366-4)
- At joint width 50 mm and joint depth 25 mm with PU mousseband as backfill, the integrity is 241 min. The insulating capacity (time when the temperature at the back of the back padding has increased by 180°C) is 150 min (EN1366-4)

SAFETY

Consult the safety information on the packaging and the safety data sheet for more information.

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POINTS OF ATTENTION

- Not suitable for use on butiminous surfaces.
- Not suitable for use on PE, PP, PA, PTFE (Teflon).
- Not suitable for use on natural stone (can cause stains).
- Not paintable.
- Not suitable for sanitary applications (not mould resistant)

TECHNICAL APPROVALS AND QUALITY LABELS

- UKCA & CE according to EN 15651-1: F EXT-INT-CC 25 LM
- UKCA & CE according to EN 15651-2: G-CC 25 LM
- French VOC emission class A+
- Efectis test report fire resistance conform BS 476 : Part 20 : 1987 and prEN 1366-4 : 1998



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