TECHNICAL DATA SHEET

PARASILICO FR

CHARACTERISTICS

- Fire retardant, neutral alcoxy curing, 1-component silicone sealant (RTV-1)
- Tested to BS 476: Part 20: 1987 and prEN 1366-3: 1998 in vertical linear joints up to 50 mm wide
- Product foams up if in contact with fire
- Excellent adhesion to almost all building materials
- Very easy to apply
- Permanent elasticity
- High resistance to ageing, weather conditions and UV
- Does not contain halogens and isocyanates

APPLICATIONS

- Suitable for sealing joints where high demands are made with regard to fire safety.
- Suitable for connection joints in walls and for top sealing of glazing.
- Has an adhesive strength without primer on the majority of materials used in building and engineering industries. On porous surfaces such as concrete, brick, blockwork etc., a primer is recommended.
- Meets the requirements of FDA code 21 §177.2600 (e) for food contact.

TECHNICAL CHARACTERISTICS	
Uncured sealant	
Type of sealant	Polysiloxanes
Viscosity	Pasty
Vulcanising system	Through moisture in the air
Skin forming time (23°C and 50% R.H.)	6 - 7h
Vulcanisation rate (23°C and 50% R.H.)	1 - 2 mm after 24h
Density : ISO 1183	1,40 g/ml
Processing temperature	+5°C - +40°C
Shelf life, in the original packing in dry conditions between +5°C - +25°C	12 months
Cured sealant	
Shore A hardness : ISO 868	23
Elastic recovery : ISO 7389	>90%
Deformation capability : ISO 11600	25%
Modulus at 100% elongation : ISO 8339	0,38 N/mm²
% Elongation at break : ISO 8339	250%
Temperature resistance	-40°C - +100°C. Loses elasticity above 150°C, keeps its integrity (joint protection) up to 1150°C

PACKING AND COLOURS
25 cartridges of 310 ml/box - 48 boxes/pallet
White, grey

METHOD OF USE

Preparation

All surfaces should be dry, clean and free from dust or grease. When necessary, degrease with Parasilico Cleaner, MEK, or alcohol. It is recommended to apply a small test area prior to general use. The user is supposed to check if the product is suitable for the application. If needed please contact our technical services.

Application
Apply with use of standard sealant applicator gun. Joint design is essential for the fire rating properties of the sealant (see test dimensions). Good ventilation is important during application and vulcanisation of the product.

Fire resistance

Joint width	Joint depth	Backing material	Integrity	Insulation*
50 mm	25 mm	50 mm thick ceramic firbre	241 min.	150 min.
20 mm	10 mm	PU foam tube	241 min.	70 min.
*time in which temperature on the non-fire side has increased by 180°C.				

Tooling
If desired, smooth surface before skin formation with the tooling agent **DL 100** and a scraper.

Cleaning
Before curing: Tools with white spirit or solvent. Surfaces with **Parasilico Cleaner**
After curing: Remove as much as possible mechanically; the remainders of the silicone with **Silicone Remover**.

Repairing
With the same product.

SAFETY
Please consult the safety data sheet online: www.dl-chem.com.

LIMITATIONS
- Do not expose to thermal, mechanical or chemical influences before complete curing.
- No adhesion on PE, PP, PTFE (Teflon®) and bituminous substrates.
- Do not use on natural stone (staining).
- Not for sanitary applications.
- Not paintable.

TECHNICAL APPROVALS
Tested by Warrington Fire Research, report nr 106969 issue 2 - BS 476 : Part 20 : 1987 and prEN 1366-3 : 1998
FDA code 21 §177.2600 (e) (Ianesco report No. 13/11408)
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The European experts in fire safety

CE

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DL Chemicals

IANESCO

EN 15651-1
F EXT-INT
EN 15651-2 G
No. DoP:
MP0030031

ÉMISSIONS DANS L'AIR INTÉRIEUR*
A+
A+ A B C

* Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).