HIGH TEMPERATURE SILICONE

Technical Data
11/2021

DESCRIPTION

Silicone elastomer-based flange sealant, cross linking at room temperature.

PROPERTIES

- Mono-component, no previous mixing required.
- Excellent adherence. It requires no primer or either catalysts.
- Cross linking at room temperature. Good resistance to ozone, weathering.
- It does not harden or crack.
- Resistant to water, anti-freeze liquids, oils, etc.

Once cured, it produces a non-toxic silicone seal.

APPLICATIONS

- Bonding and replacement of joints made of cork, cardboard, fibre, etc.
- Sealing of joints in conditions of extreme temperature.
- Bonding and sealing of panels, oven doors, smoke outlets, etc.
- Sealing of oil sumps and water tanks.

Bonding and sealing in refrigerators and boilers. Insulation of electrical conductors, appliances, etc.

CERTIFICATIONS:

CE Mark: EN 15651-1 F-INT Dop nº: SIB0000182 http://ce.selena.com/

TECHNICAL FEATURES

HIGH TEMPERATURE SILICONE, uncured

Appearance:	Homogeneus creamy paste.	
Slump resistance (ISO 7390):	mm	< 5
Tack free (ASTM C-679-71):	Minutes	15
Skin over time (BS 5889 AP.A):	Minutes	25-35
Curing rate at 23ºC and 55% H.R.:	mm/day	2,5
Application temperature:	ºC	+5 to +50

HIGH TEMPERATURE SILICONE, cured (4 weeks at 23ºC and 55% H.R.)

Appearance:	Similar to rubber	
Shore A hardness (ISO868):	--	Aprox. 35
Elastic recovery (ISO 7389):	%	98
Modulus100% (ISO 37):	MPa	0,8
Tensile strength (ISO 37):	MPa	1,2
Elongation at break (ISO 37):	%	Aprox. 225
Temperature range in service:	ºC	-60 to + 200
Maximum Temperature (ocasional)	ºC	315

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CHEMICAL RESISTANCES

Water , soapy water, brine:	Excellent.
Inorganic diluted acids and alkalis:	Very good.
Mineral oils and grease:	Very good.
Oil, fuel, hydrocarbons:	Very good.
Other products:	Consult.

INSTRUCTIONS

Treatment of joints:

The surfaces to be sealed must be clean and dry. If necessary, in addition to mechanical means, cleaning with non-grease solvent such as acetone is recommended.

Procedure:

Cut off cap from adapter nipple, screw the nozzle on the cartridge, clip the tip of the nozzle to required opening and insert into caulking gun. Fill in the appropriately treated joint with **HIGH TEMPERATURE SILICONE**. In order to avoid messing the edges, they may be protected with masking tape. For a better finish, the seal may be smoothed with a spatula.

Yield:

The following formula is an approximate guideline in order to calculate foreseen yield for a standard cartridge of **HIGH TEMPERATURE SILICONE**:

$$L = \frac{280}{A \times D}$$

Where:

L= Length of sealant in metres obtained per cartridge of **HIGH TEMPERATURE SILICONE**.
A= Width of the joint in mm.
D= Depth of the joint in mm.

Further treatment:

HIGH TEMPERATURE SILICONE may not be painted or varnished.

STORAGE:

Keep in a cool and dry place.
Lifetime: 24 months in CR.

PRESENTATION:

In 280 cc. Plastic cartridges.

COLOURS:

Red Grey

CLEANING:

Fresh product is easily removed with an organic solvent. When cured it can be removed by mechanical mean only

HEALTH & SAFETY:

While curing **HIGH TEMPERATURE SILICONE** splits off acetic acid. These vapours must not be inhaled for prolonged periods of time in high levels of concentration. Therefore, the working area should be well ventilated.

Due to possible irritation, all contact of the product with eyes or mucous areas must be avoided. If this should occur, rinse the affected area thoroughly with plenty of water and, if need be, see a doctor. Rubber resulting after curing may be handled without risk.

Primers used with **HIGH TEMPERATURE SILICONE** contain flammable solvents at room temperature. Do not smoke or use unprotected flame near the working area. If eyes are splashed, rinse thoroughly with plenty of water, otherwise, see a doctor.

Use gloves, and in case of splashing, wash with industrial detergent when the product is still fresh.

DO NOT WASH HANDS WITH SOLVENTS.

For more information request Safety Data Sheet.

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16 Selena Iberia S.L.U., Marie Curie, 19 - Planta 6.1, 28521 RIVAS Madrid , Spain SIB0000182				
	EN 15651-1:2012 Quilosa HIGH TEMPERATURE SILICONE -Type F-INT -Conditioning: Method A -Substrate: glass without primer			
Reaction to fire	Class F			
Release of chemicals dangerous to the environment and health	See product safety data sheet			
Water tightness and air tightness as:				
Resistance to flow	≤ 5 mm			
Loss of volume	≤ 45 %			
Tensile properties: Elongation at break at 23 °C	≥ 25 %			
Durability	Pass			