

HEAT RESISTANT SILICONE

Colour	Product Code	Pack Size	Box Qty
Black	PHEATSIL	C3 (310ml)	12

Product Description

PURIMACHOS HEAT RESISTANT SILICONE is a high temperature resistant silicone, heat stable up to 300°C.

Benefits

- Permanently flexible.
- Temperature resistant up to 300°C.
- Quick curing, tack free within 1 hour.
- Excellent adhesion to most non porous surfaces.

Areas For Use

- For joints and assemblies which must be resistant to high temperatures in ducting, metal chimneys, industrial/domestic ovens, heating appliances.
- As a gasket sealant.

Limitations

- Do not use on porous surfaces such as brick, concrete and stone.
- Do not use on soft metals such as lead.
- Do not use on surfaces that bleed oils or plasticizers.
- It is the user's responsibility to determine suitability for use. If in doubt, please contact Technical Services Department for advice.

Surface Preparation

The surfaces to be must be clean, dry and free from dust, grease and other contaminants. Improve adhesion by wiping surface with white spirits. Priming is generally not required, although we always advise testing small areas prior to use.

Application

- Cut the tip of the cartridge taking care not to damage the thread.
- Apply nozzle and cut cleanly at an angle of 45 degrees with an opening slightly larger than the gap to be sealed.
- Apply using a standard sealant gun. Best results will be obtained by keeping an even pressure on the gun trigger and keeping the gun at a constant angle to the surfaces to be sealed.
- To ensure a proper bond, always smooth down sealant using a spatula or piece of wood wetted with soap and water solution.

- Tool down within 15 minutes of application.
- An improved appearance can be achieved by placing masking tape to both sides of the joint, removing within 5 minutes of application.

Specific Data

Movement Accommodation	+ or – 20%
Skimming Time	5 mins @ 20°C
Cure Time	3mm per 24 hours
Hardness Shore A	23
Shrinkage	<5%
Service Temperature Resistance	-50 to +300°C
Application Temperature	+ 5 to 40°C
Tensile Strength	1.0 Mpa
Stress	0.3 Mpa
Specific Gravity	1.04
Cleaning	Uncured sealant: white spirit Cured sealant: Silicone Eater
Minimum Joint Width	6mm
Maximum Joint Width	30mm
Joint Ratio	Maximum depth 50% of joint width
Coverage	@ 11 linear metres from a 6mm bead

Health & Safety

Consult MSDS for full list of hazards.

Storage

Shelf Life

Up to 24 months when stored according to manufacturers instructions.

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