



Product description

One-component, acid-curing silicone sealant for general-purpose sealing in high temperature applications up to 260°C.

MASTERS 9000 cures at room temperature under the action of atmospheric moisture to give a permanently flexible silicone rubber.

Special features

- non-sag
- ready gunnability at low (+5°C) and high (+40°C) temperatures
- flexible at low (-40°C) and high temperatures (+260°C)
- adheres excellently to glass, vitrified surfaces, ceramic tiles, many plastics and most paints
- good tooling properties
- maintains elastic properties at continuous temperatures of up to 260°C
- short-term stability at 275°C
- withstand +300°C heat impulses

Application

- to stick and seal ovens, fireplaces, boilers and chimney flues
- to seal pumps' parts, heating systems and household appliances exposed to high temperatures
- car, industrial and sea engine gaskets
- to seal mechanical parts exposed to high temperatures

Use Instructions

1. Remove the cap from the tip
2. Remove the security seal located on the base of the dispenser
3. Rotate the dispenser while holding its base and turning the lever to the left
4. Release the product through the lever
5. Once dispensed the desired quantity, close the cartridge by turning the lever to the right

Restrictions on use

MASTERS 9000 should not be used on substrates such as marble, concrete, fibrous cement and mortar, as the product releases acetic acid during vulcanization.

MASTERS 9000 should not be used in contact with metals such as lead, copper, brass or zinc due to corrosion.

MASTERS 9000 may be discolored in contact with some organic elastomers,

e.g. EPDM, APTK and neoprene.

MASTERS 9000 is not recommended for sealing of aquaria.
 MASTERS 9000 is not recommended for use on natural stone, such as marble, granite, quartzite, as it can cause staining.

MASTERS 9000 is not recommended for structural glazing bonding.

MASTERS 9000 is not suitable for continuous contact with motor oils and fuels.

Adhesion

MASTERS 9000 exhibits excellent primerless adhesion to most non-porous siliceous material, e.g. glass, tiles, ceramics, enamel, glazed tiles and clinker; impregnated, varnished or painted wood; and some plastics.

Users must carry out their own tests due to the great variety of substances.

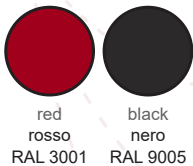
The adhesion can be improved in many cases by pretreatment of the substrates with a primer.

If adhesion difficulties arise please contact our technical service.

Package

gas cartridge 200 ml, box 6 pc

Colours



Processing

The substrate areas that will be in contact with the sealant must be clean, dry and free of all loose material such as dust, dirt, rust, oil and other contaminants. Non-porous substrates should be cleaned with a solvent and a clean, lint-free, cotton cloth. Remove residual solvent before it evaporates with a fresh clean, dry cloth.

Storage

The ‘Best use before end’ date of each batch is shown on the product label. Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons. Stored in its original packaging, in a cold dry place (+5°C and +25°C), away from direct sunlight, the product lasts 24 months

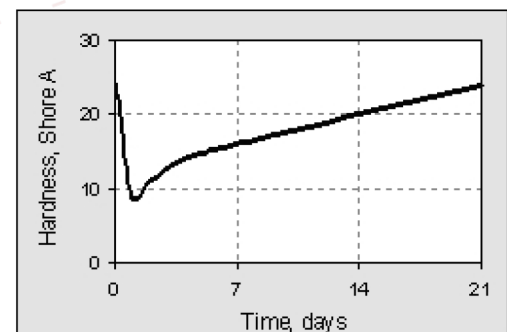
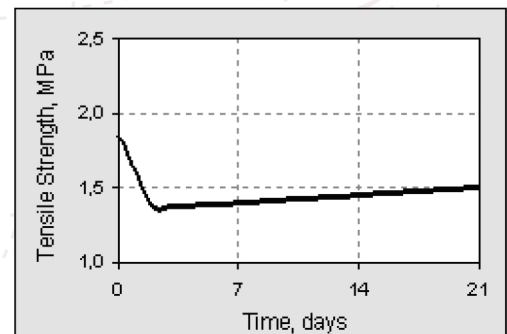
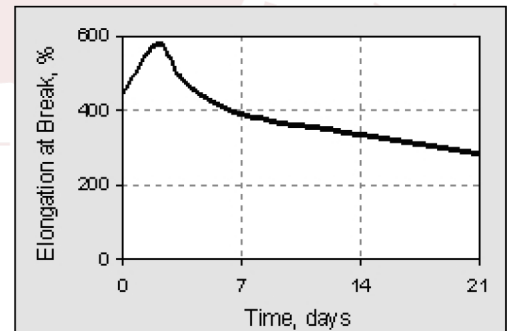


Figure 2

Heat resistance

MASTERS 9000 is heat stabilized and remains unaffected by long term exposure to extreme temperatures up to 260°C.

It can also be used for shorter periods (some weeks) at temperatures up to 275 °C. Figure 2 (page 2) shows the effect of heat aging at 275°C on the elongation at break, tensile strength and hardness of the silicone rubber.

Fig. 2 - Heat resistance of MASTERS 9000
(Heat aging at 275°C, testet at 23°C)

Safety notes

During vulcanization acetic acid is released. These vapors should not be inhaled for long periods or in high concentration. Hence, good ventilation of the work place is necessary. Should uncured silicone rubber come into contact with eyes or mucous membranes, the affected area must be rinsed thoroughly with water as irritation will otherwise be caused. Cured silicone rubber, however, can be handled without any risk to health.

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from MASTICI VOTTERO subsidiaries.

MASTERS 9000 - Product data

General characteristics	Inspection method	unit	Value
Uncured paste			
Density at 23°C	ISO 1183-1 A	[g/cm ³]	1,03
Density at 25°C (+/- 0,02 g/cm ³)	ISO 1183-1 A	[g/cm ³]	1,03
Consistency	ISO 7390, profile U 20		non-sag
Extrusion rate - volume flow at 23°C		[ml/min]	250
Skin forming time at 23°C / 50% rh		[min]	20
Cured paste			
After 4 weeks storage at 23°C / 50% rh			
Tensile strength	ISO 8339	[N/mm ²]	0,70
Elongation at break	ISO 8339	[%]	250
Modulus at 100% elongation	ISO 8339	[N/mm ²]	0,45
Hardness Shore A	ISO 868		25
Tear Strength	ISO 34, method C	[N/mm]	4,2
Temperature resistance		[°C]	-40 / +260

These figures are only intended as a guide and should not be used in preparing specifications.

The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

For technical, quality, or product safety questions, please contact:
 MASTICI VOTTERO s.n.c.
 10040 La Cassa (TO) - via Torino 44
 info@masticivottero.com
 www.masticivottero.com