



### **Product description**

MASTERS 380 is a one-component, neutral-curing, low modulus silicone sealant with outstanding adhesion, long shelf life and excellent tooling characteristics for construction and exterior weather sealing applications.

### **Properties**

MASTERS 380 cures at room temperature under the action of atmospheric moisture to give a permanently flexible silicone rubber.

### **Special features**

- odorless
- exempt from withdrawal
- excellent UV resistance and weather resistant
- matt finish
- non-sag
- flexible at low (-40°C) and high temperatures (+160°C)
- rapid crosslinking: quickly becomes tack-free and crack resistant
- non-corrosive to metals
- ready gunnability at low (+ 5°C) and high (+ 40°C) temperatures
- excellent tooling characteristics for professional use
- solvent-free, thus featuring low volume shrinkage during vulcanization
- short term resistance to +180°C
- suitable for alkaline substrates such as concrete, mortar, fibrous cement
- excellent adhesion on various supports such as galvanized sheet, pre-painted sheet, copper iron, bronze, steel, stainless steel, lead, tinplate, aluminum, varnished aluminum, brass
- excellent adhesion also on porous surfaces like wood, brick, stone and concrete

### **Application**

- useful to install and seal of metal sheet covering
- to seal dilatation joints on prefabricated buildings
- to seal joints between glass structures and support structures( frames, traverse beams, uprights)
- to seal industrial flooring
- suitable for dilatation joints between different materials in building industry

### **Restrictions on use**

MASTERS 380 must not be used for insulating glass applications

MASTERS 380 must not be used for structural glazing bonding

It is the responsibility of the user to test the compatibility of the sealant with the adjoining materials. Incompatible substances like coating materials (paints, varnishes and glazes) or organic plasticizer containing rubbers (EPDM, butyl and neoprene) can lead to discoloration or other impairments like loss of adhesion of the sealant. Materials in direct contact with the applied sealant like cleaning agents and materials in indirect contact like gaseous emissions can damage the sealant in its function or change its appearance. Because of the multitude of these materials, Mastici Vottero cannot make a general statement to the compatibility of materials with the sealant. In case of doubt the user shall conduct appropriate preliminary tests

MASTERS 380 is not recommended for use on natural stones, such as marble, granite, quartzite, as it can cause staining

MASTERS 380 is not recommended for sealing of aquaria or for longer term use under water

MASTERS 380 is not suitable for food grade applications where the joints are likely to come in contact with food

MASTERS 380 is not suitable for use as a mirror adhesive

the time until complete curing may be extended at lower temperature, lower humidity, increasing film thickness or by low volume of air exchange

the use of tooling agents should be avoided if possible. Otherwise, water or a diluted solution of a little neutral soap or alcohol in water should be sparingly applied

### Adhesion

MASTERS 380 exhibits excellent primerless adhesion to many substrates, e.g. glass, tiles, ceramics, enamel, glazed tiles and clinker; metals, e.g. aluminium, steel, zinc or copper; impregnated, varnished or painted wood, and many 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

cartridge 280/300/310 ml, box 12/24 pc

unipac 600 ml, box 20 pc

drums 26 kg

### Colours



white bianco RAL 9010	grey grigio RAL 7004	grey grigio RAL 7044	copper rame RAL 8004	dark brown testa di moro RAL 8019	black nero RAL 9005
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### Processing

The substrate areas that will be in contact with the sealant must be clean,

dry and free of all loose material, 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 12 months.

### Additional information

#### Specifications

MASTERS 380 meets following specifications:

- ISO 11600 F+G, class 25 LM
- Label SNJF Vitrage, class 25 E
- Label SNJF Facade, class 25 E

### Safety notes

During vulcanization methanol and ethanol are 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.

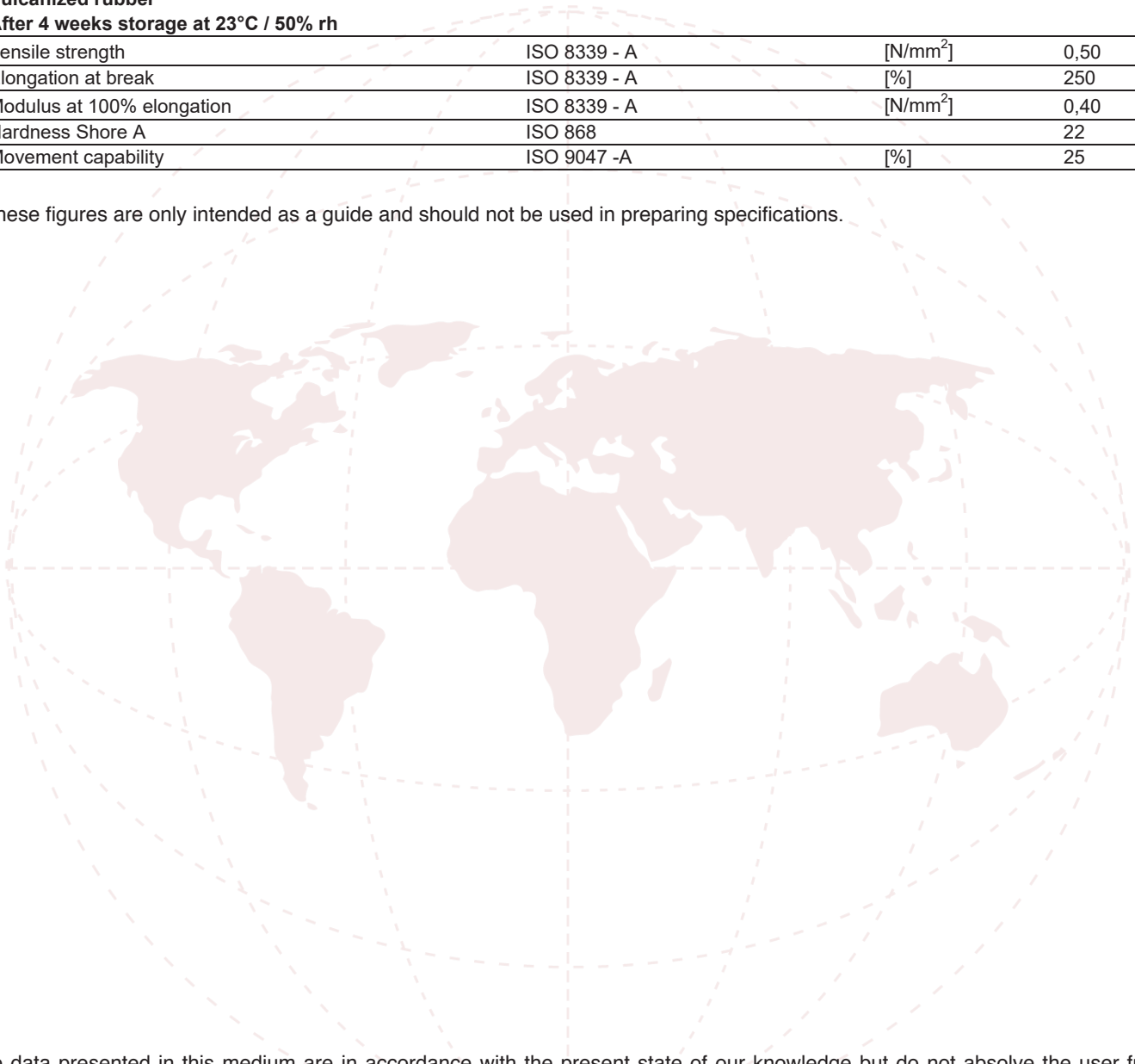
Keep out of reach of children.

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

**MASTERS 380 - Product data**

General characteristics	Inspection method	unit	Value
<b>Unvulcanized paste</b>			
Density at 25°C	DIN 51757	[g/cm <sup>3</sup> ]	1,40
Consistency	ISO 7390,		non-sag
Extrusion rate - volume flow at 23°C	internal method	[g/min]	130
Skin forming time at 23°C / 50% rh	internal method	[min]	25
<b>Vulcanized rubber</b>			
<b>After 4 weeks storage at 23°C / 50% rh</b>			
Tensile strength	ISO 8339 - A	[N/mm <sup>2</sup> ]	0,50
Elongation at break	ISO 8339 - A	[%]	250
Modulus at 100% elongation	ISO 8339 - A	[N/mm <sup>2</sup> ]	0,40
Hardness Shore A	ISO 868		22
Movement capability	ISO 9047 -A	[%]	25

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

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