



Product description

MASTERS 480 is a one-component, neutral-curing, low modulus silicone sealant, for sealing such natural substrates as marble and other indoor or sanitary construction materials.

Properties

MASTERS 480 cures at room temperature under the action of atmospheric moisture to give a permanently flexible silicone rubber.

Special features

- mold retardant
- solventless and silicon plasticizers
- non-staining and non-bleeding
- exempt from withdrawal
- odorless
- excellent weather resistant
- excellent UV resistant
- permanent flexibility at a temperature between -40°C and $+150^{\circ}\text{C}$
- rapid crosslinking: quickly becomes tack-free
- high resistance to abrasions
- non-sag
- ready gunnability at low and high ($+5^{\circ}\text{C}$ / $+40^{\circ}\text{C}$) temperatures
- can be used on substrates such as marble, granite, sandstone, quartzite; no staining of joint edges
- primerless adhesion to most materials
- non-corrosive to metals
- suitable for alkaline substrates such as concrete, mortar, fibrous concrete

Application

- to seal marble with others porous materials
- to seal marble and natural stones on different substrates
- to seal marble fronts or others natural stones fronts

Restrictions on use

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 480 must not be used for sealing of aquaria. MASTERS 480 is not suitable for insulating applications.

The curing time can be extended at lower temperature, lower humidity or by low volume of air exchange.

Adhesion

MASTERS 480 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 310 ml, box 12/24 pc

unipac 600 ml, box 24 pc

drums 20 kg

Colours



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 14 months.

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 480 - Product data

General characteristics	Inspection method	unit	Value
Unvulcanized paste			
Density at 23°C	ISO 1183-1-A	[g/cm ³]	1,02
Consistency	ISO 7390, profile U 20		non-sag
Extrusion rate - volume flow	internal method	[ml/min]	400
Skin forming time at 23°C / 50% rh	internal method	[min]	15
Vulcanized rubber			
After 4 weeks storage at 23°C / 50% rh			
Tensile strength	ISO 8339	[N/mm ²]	0,50
Elongation at break	ISO 8339	[%]	250
Modulus at 100% elongation	ISO 8339	[N/mm ²]	0,35
Hardness Shore A	ISO 868		21
Movement capability	ISO 11600	[%]	25
Tear strength	ISO 34, method C	[N/mm]	4,0

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