

MASTIC SILICONE 902

FUNCTIONALITY

Technical silicone mastic for high performance sealing and gluing; high modulus type acetic, cross-linking in contact with air humidity.

This mastic is specially formulated for industrial applications:

- § Transport industries - SNCF approval (0.213.5691 for the translucent, 0.213.4231 for the white and 0.213.7520 for the black) - (glass/glass gluing and on metal, creation of seals in-situ for gear boxes, compressors and pumps).
- § Household electrical appliances (flexible seals for manufacturing fridges, freezers, washing machines, vacuum cleaners and ovens).
- § Freezing and insulation industry (refrigerated vehicle bodies and insulated buildings).
- § Electronic and electrical industry (leaktight seals on electrical cabinets and boxes, pumps, engines and switches).
- § Yachting.
- § General industrial applications (sealing ventilation shafts and appliances, air conditioning, chimney flues).
- § Industrial maintenance.

Labels and Accreditation

Conforms to standard ISO 11600 – F&G – 25 HM – concrete/primer, glass, aluminium/primer.

Technical Characteristics

Specifications	Characteristics
Colour	Translucent, white, grey and black
Appearance	Paste that does not run
Type of mastic	High elastic module single-component acetic silicone cross-linking in contact with air humidity.
Density	1.04
Application temperature	From +5 °C to +40 °C
Smoothing time	5 minutes
Tack-free time	Low-tack: 20 minutes No-tack: 2 hours
Curing speed	3 mm per 24 h (at 23 °C and 50% of relative humidity)
On cross-linked seal:	
Shore A hardness	23
Modulus of elasticity at 100%	0.50 MPa
Elongation at break	500 %
Breaking strength	2.1 MPa
Withstands temperature of	From -70 °C to +230 °C (+260 °C peak) for the white, translucent and grey From -70 °C to +250 °C (+300 °C peak*) for the black
Resistance	Excellent resistance to ozone, salt spray, diluted bases and acids, standard solvents and hydrocarbons.
Adhesion	Very good adhesion to many smooth surfaces: glass, aluminium, ceramic, etc.

*results based on a period of 96 hours at 300°C. For this period, the loss of mass and volume does not exceed 13%. Tensile stresses should not be more than 0.8 kg/cm² and expansion greater than 59%

Application

Preparation

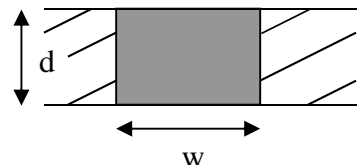
- § The work must be carried out in accordance with DTU 39/Standard NFP78 201.
- § Glass, tiling: remove grease with alcohol then wipe dry with a clean cloth.
- § Metals, aluminium: get rid of rust and passivate surfaces. If necessary, sand with an abrasive material and remove grease with alcohol before wiping down with a clean cloth. For anodised aluminium, only grease removal is necessary.
- § Plastics: sand with an abrasive material, remove grease with a solvent recommended by the manufacturer and, if necessary, prepare the surface using a flame (carry out preliminary tests).
- § In general, surfaces must be clean and dry and free from dust and greasy substances.

Instructions for use

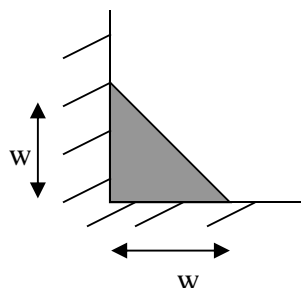
- § Apply masking tape if necessary.
- § Apply the mastic with a manual or pneumatic pistol (no reheating necessary).
- § Depending on the work to be carried out (sealing, weatherstripping or gluing), either smooth the seal with a damp spatula to apply the mastic to the surface, or crush the line of mastic with the second surface to be glued.

Consumption

Depending on the seal dimensions and application, a cartridge of 310 ml covers a seal length (expressed in metres):



Depth in mm (d)	Width in mm (w)					
	8	10	15	20	25	30
4	9.6	7.7	5.1	3.8	3.1	2.5
5	7.7	6.2	4.1	3.1	2.4	2.0
7	5.5	4.4	2.9	2.2	1.7	1.4
8	4.8	3.8	2.5	1.9	1.5	1.2
10		3.1	2.0	1.5	1.2	1.0
12			1.7	1.2	1.0	0.8
15			1.3	1.0	0.8	0.6
20				0.7	0.6	0.5



Width in mm (w)	Width in mm (w)				
	4	6	8	10	12
4	19.3				
6		8.6			
8			4.8		
10				3.1	
12					2.1

Material cleaning

The equipment is cleaned with acetone, white-spirit or ethyl alcohol before the mastic has dried out or by scraping once the product has hardened.

The information contained on the technical datasheet is provided in all good faith and results from measurements made in our laboratory. Given the number of materials, differences in quality and diversity of working methods, we recommend that users perform tests prior to application under actual conditions of use.

This document may be amended in keeping with product development and the state of our knowledge without prior notice and therefore it is recommended to check that you have the latest version before use.

The safety datasheet is available online at www.quickfds.com



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Storage

Keep at a temperature of between -5 °C and +30 °C.

The expiry date on the packaging is for unopened product, stored at 20 °C in normal hygrometry conditions.

Comments

In most sealing situations, when the seal is contained and under little stress, this mastic can be applied to wood, metal and plastic. Regarding technical gluing, where the seal is under mechanical stress, it is recommended to use an adhesion primer (please contact us for the reference to use).

There is a risk of corrosion on some unprotected metals.

Not recommended on special treated glass.

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