



UNIVERSAL SILICONE

DATA SHEET
01/2016

DESCRIPTION:

One part , acetic curing, silicone rubber based sealant .

PROPERTIES:

One component room temperature vulcanising (RVT), easy application system. Cures in contact with air humidity, and turns into a rubber with outstanding mechanical properties and excellent weatherability.

APPLICATIONS:

High-performance sealant for:

- Sealing joints between glass and frameworks and joints between frameworks.
- Do it yourself (DIY).

Due to its acid reticulation, **UNIVERSAL SILICONE** must not be applied on the following substrates:

- Construction materials such as concrete, masonry, marble and similar.
- Ferrous metals, copper, and brass.
- Rubber, since there may be a danger of discolouration.

For these cases QUILOSA markets a wide a range of non-acid sealants.

CERTIFICATIONS:

CE Mark: EN15651-2 G-CC / EN15651-3 S Dop n°: SIB0000178 <http://ce.selena.com/>

TECHNICAL FEATURES

UNCURED UNIVERSAL SILICONE:

Appearance:	Homogeneous creamy paste	
Slump resistance (ISO 7390):	mm	0
Tack free (ASTM C-679-71):	minutes	10 – 15
Skin over time (BS 5889 Ap.A):	minutes	25 – 35
Curing rate at 23° C And 55% h.r.:	mm/day	2 – 3
Application temperature:	°C	+5 to +50

CURED UNIVERSAL SILICONE (4 weeks at 23°C and 55% H.R.)

Appearance:	Similar to rubber.
Shore a hardness (ISO 868):	- 14 ± 2
Elastic recovery (ISO 7389):	% 96
Modulus 100% (ISO 37):	Mpa. 0,33 – 0,36
Tensile strength (ISO 37):	Mpa. 1,20 – 1,40
Elongation at break (ISO 37):	% 350 – 500
Movement accomodation factor:	% 20
Temperature range in service:	°C -50 to +150



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CHEMICAL RESISTANCE:

Water, soapy water, brine:	Excellent.
Inorganic diluted acids and alkalis:	Very good.
Mineral oils and grease:	Very good.
Oil, fuel, hydrocarbons:	Very good.
Other products:	Consult.

INSTRUCTIONS:

Treatment of joints:

The surfaces to be sealed must be clean and dry. If necessary, in addition to mechanical treatment, cleaning with non-grease solvent such as acetone is recommended. For joints to be subjected to major stress, we suggest the use of a primer appropriate for each type of substrate:

PRIMER C-27: For porous materials and general construction use.

PRIMER C-29: For plasticized or unplasticized PVC, polyacrylates and other plastics.

(See *technical Data*)

With glass and enamels, better results are obtained without primer.

Any material not known by the user in terms of adhesion must previously be tried out or consulted with our Technical Department.

Procedure:

Cut off cap from adapter nipple, screw the nozzle on the cartridge, clip the tip of the nozzle to required opening and insert into caulking gun. Fill in the appropriately treated joint with **UNIVERSAL SILICONE**. In order to avoid messing the edges, they may

be protected with masking tape. For a better finish, the seal may be smoothed with a spatula.

Yield

The following formula is an approximate guideline in order to calculate foreseen yield for a standard cartridge of **UNIVERSAL SILICONE**:

$$L = \frac{300}{A \times D}$$

Where:

L= Length of sealant in metres obtained per cartridge of **UNIVERSAL SILICONE**.

A= Width of the joint in mm.

D= Depth of the joint in mm.

Further treatment:

UNIVERSAL SILICONE may not be painted or varnished.

STORAGE:

Keep in a cool and dry place.

Lifetime: 12 months in original sealed container.

PRESENTATION:

Cr 300 cc. Plastic cartridges.

24 cartridges boxes.

COLOURS:

Translucent
Aluminium
White
Bronze
Grey
Black
Green

Others colours on order

LIMPIEZA:

Fresh product is easily removed with an organic solvent. When cured it can be removed by mechanical mean only



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HEALTH & SAFETY

While curing **UNIVERSAL SILICONE** splits off acetic acid, therefore, the working area should be well ventilated

Due to possible irritation, all contact of the product with eyes or mucous areas must be avoided. If this should occur, rinse the affected area thoroughly with plenty of water and, if need be, see a doctor. Rubber resulting after curing may be handled without risk.

Primers used with **UNIVERSAL SILICONE** contains flammable solvents at room temperature. Do not smoke or use unprotected flame near the working area. If eyes are splashed, rinse thoroughly with plenty of water, otherwise, see a doctor.

Use gloves, and in case of splashing, wash with industrial detergent when the product is still fresh.

DO NOT WASH HANDS WITH SOLVENTS.

For more information request Safety Data Sheet.

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