

UNIVERSAL SILICONE SEALANT

1 – DESCRIPTION

Universal Silicone Sealant is an acid-curing, one-component silicone sealant for a range of general sealing and glazing applications. It's suitable for use on common non-porous building materials.

2 – PROPERTIES

- Stays permanently elastic after curing
- Acetoxy curing system
- Antibacterial
- Very good adhesion on common building materials and non-porous surfaces
- Resistance to aging, cracking and discoloring
- Resistant to many chemicals, cleaning agents and detergents
- Can be applied in any season
- Typical acetic smell during curing

3 - APPLICATIONS

- General sealing and glazing applications
- Sealing around windows and doors
- Sealing in DIY applications
- Sanitary applications
- Connection and expansion joints
- Sealing electric, telephone etc. sockets and switches

4 - INSTRUCTIONS

- It is recommended to make the application between +5 °C and +40 °C. Surfaces must be clean and dry. In order to reduce the deformations of the joints, their depth must be much less than their width, minimum dimensions are 5x5 mm, for wider joints the depth should be preferably half of the width and it is adjusted by the use of a back up material.
- To ensure straight sealant edges, the areas adjacent to joints must be masked with a masking tape. After the application, the sealant must be tooled with light pressure within 5 minutes to spread the material against the joint surfaces and to obtain a professional finish. Excess uncured sealant may be cleaned with solvent. Cured sealant can be removed barely mechanically.

5- STORAGE AND SHELF LIFE

18 months if stored at room temperature.

6- PACKAGING

Product	Volume	Package
Transparent	310ml	30
White	310ml	30
Black	310ml	30
Brown	310ml	30
Grey	310ml	30
Transparent	280ml	24
White	280ml	24
Black	280ml	24
Transp/Blister	50ml	24
White/Blister	50ml	24
Transp/Blister	70ml	20
Transp/box	50ml	40

7- RESTRICTIONS

- Universal Silicone Sealant is not recommended for use on porous substrates such as marble, granite, stone or concrete.
- Universal Silicone Sealant releases acetic acid during curing. Therefore, it must not be used on mirrors and sensitive metals such as copper, brass, lead and some types of aluminum.
- Not over paintable
- Universal Silicone Sealant is not a suitable sealant for aquariums.
- In case Universal Silicone Sealant is exposed to prolonged direct sunlight, it may become yellowish due to fungicide in its content.
- Because the sealant needs moisture to cure, it must not be used in entirely confined spaces.

8- SAFETY

If inhaled in over a prolonged period or in large volumes, the acetic acid vapours released during curing may cause irritation of the respiratory system. Therefore, the application must take place in a well-ventilated room. Prolonged contact with uncured sealant must be avoided.

9- TECHNICAL PROPERTIES

Basis	: Silicone Polymer	
Curing System	: Acetoxxy	
Density	: 0.97 ± 0.02 g/ml	(ISO 1183)
Hardness Shore A	: 20-30 (after 28 days)	(ASTM C661)
Skin formation	: 5-15 min. (23°C and 50% R.H)	(ASTM C679)
Curing Rate	: Min. 2,5 mm/day	(23°C and 50% R.H)
Tensile Strength	: 0,3N/mm ² (23°C and 50% R.H)	(ISO 8339)
Elongation At Break	: > 350%	(ISO 8339)
Sagging	: 0 mm	(ISO 7390)
Application Temperature	: +5°C to +40°C	