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## NEUTRAL ELASTIC SILICONE SEALANT

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### PRODUCT DESCRIPTION:

**OLIVÉ C-27** is a one part, low modulus, neutral cure silicone sealant that reacts with the atmospheric moisture producing a flexible rubber extremely resistant. It does not contain corrosive or strong smell additives.

**OLIVÉ C-27** preserves all properties of elasticity and adherence with no ageing problems, remaining stable in front of atmospheric agents.

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### MAIN BENEFITS:

- Low modulus and high elasticity.
- High movement capability.
- Excellent adhesion to a wide range of substrates without priming.
- UV radiation, weather and ageing resistant.
- Extremely long service life.
- Very easy to apply and tool.
- Low odour.
- Non-corrosive to metals.

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### FIELDS OF APPLICATION:

Perimeter and connection joints for aluminium, wood and PVC carpentry

Sealing of joints between porous and non-porous substrates including concrete, masonry, brick, aluminium (lacquered, anodized, painted,...), PVC, glass, ceramics and most plastics.

Glazing weathersealing of windows.

Sealing of precast concrete wall units.

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### DIRECTIONS FOR USE:

The substrates must be clean, dry, and free of dust, grease and other contaminant which may affect the adhesion.

Non-porous surfaces (such as aluminium, glass, etc.) should be cleaned with a suitable solvent. Porous substrates (such as concrete, brickwork, etc.) must be mechanically cleaned from loose particles.

**OLIVÉ C-27** adheres to most common construction materials. However, a preliminary adhesion test is recommended on every surface. In some cases, adhesion could be improved by pre-treatment of substrates with a primer.

JOINT DESIGN: Expansion joint width should be designed to accommodate the movement capability of the sealant. Use a closed cell polyethylene backer foam (OLIVÉ CORDON CELULAR) as a back-up material to limit the sealant joint depth.

After substrate preparation, apply with a professional caulking gun. The joint should be tooled and smoothed before skin formation.

Uncured product may be easily removed with solvents such as isopropyl alcohol or "white spirit". Cured sealant must be removed mechanically.

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### REMARKS:

- Do not use **OLIVÉ C-27** on bituminous substrates or on building materials which might bleed oils, plasticizers or solvents. (e.g. natural rubber, chloroprene, EPDM, ...).
- There is no adhesion to PE, PP, PTFE (Teflon®). Due to the wide variety of possible substrates, we recommend a preliminary compatibility test.
- **OLIVÉ C-27** cannot be overpainted.
- Not intended for structural glazing.
- Not recommended for the construction or sealing of aquariums or in direct contact with food.

## **TYPICAL TECHNICAL DATA:**

Basis:	Neutral oxime silicone
Consistency:	Non-slump paste
Specific gravity:	Approx. 0,97 g/ml
Skin forming time:	5 – 10 minutes (at 23°C; 50% R.H.)
Curing rate:	Approx. 3 mm/24 hr.
Resistance to flow (ISO 7390):	Approx. 0 mm
Application temperature:	Between +5°C to +40 °C
Service temperature:	-40°C to +150°C
Movement capability:	± 25 %
Shore A hardness (ISO 868):	Approx. 20 (after 7 days at room temp.)
<b>2mm thickness – ISO 37</b>	
E-Modulus 100%	0,30 MPa
Tensile strength	1,00 MPa
Elongation at break	600 %

These values may vary depending on environmental factors such as temperature, moisture, and type of substrates. The time until complete curing may be extended at lower temperature, lower humidity or increasing film thickness.

## **COLOURS AND PACKAGING INFORMATION:**

This product is available in 300 ml cartridges. Other packaging is available under request.

Colours: Translucent, white. Other colours are available on special order.

## **STORAGE AND SAFETY:**

The shelf life is 12 months in the original unopened original packaging, in dry conditions and protected from direct sunlight at temperatures between +5°C and +25°C.

Use in well ventilated areas and avoid skin and eye contact. For further safety information see the corresponding Safety Data Sheet.

Recommendations for use are defined through commonly used standards, intended as a guideline. Due to the great variety of materials and conditions, which are beyond our knowledge and control, we recommend to ensure that the product is suitable for its application, carrying out sufficient previous trials. The application and use of our products is beyond our control, for which are of the exclusive responsibility of the user. If any responsibility were to be considered ours, this would be only for any damages and for the value of the merchandise supplied by us and used by the customer. It is over understood that we warranty the irreproachable quality of our products in accordance with our General Conditions of Sales and Supply.

