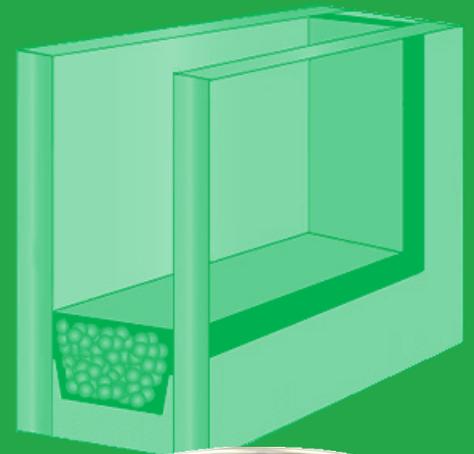


Olivé IG-40

I.G. NEUTRAL SYSTEM SILICONE ONE-PART FAST CURE

Product Information | IG-40 - v07-03/18 (en)



DESCRIPTION

OLIVÉ IG-40 is a one part, neutral system silicone sealant, ready to use without previous mixtures.

It has a high speed curing time and it becomes a very resistant and flexible rubber and with high insulating performances. It has an excellent adhesion to all kind of glass without primer. Solvents free.



MAIN FEATURES

- Neutral cure sealant. Odourless and non corrosive.
- Ultra fast cure
- Solvent free
- Excellent adhesion to glass, aluminium, galvanized steel, zinc
- Resistant to UV and to ozone
- High level of mechanical properties
- Great thermal stability: -55°C a +150°C
- Suitable for all types of climates
- Low water absorption
- Outstanding aging properties
- Compatible with Structural Silicones

CERTIFICATIONS

OLIVÉ IG-40 meets the following specifications:

EN 1279-2

EN 1279-4

EN 1279-6 G

It is approved as a second barrier sealant for IGU (Insulating Glass Units) Certifications:

N of AENOR

A+ of APPLUS

PACKAGING

OLIVÉ IG-40 is supplied in following packages:

Drums 185 liters (229,400 Kg.)
Ø inside: 570 mm.

Pails 20 liters (24,800 Kg.)
Ø inside: 280 mm.

Sausages 600 ml.
Box of 20 u. (pallets of 36 boxes)

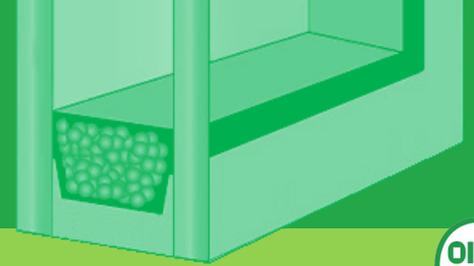
Cartridges 310 ml.
Box 4 u. (pallets 56 boxes)

* European pallets 120x80 cm.

COLOURS

Black





ENVIRONMENTAL REGULATIONS

- VOC-emission (French Regulation francesa): Class A+.
- Conforms to LEED® IEQ-credits 4.1
(Indoor Environmental Quality) Adhesives and sealants.



* Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).



APPLICATIONS

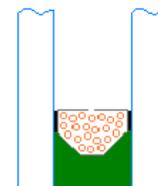
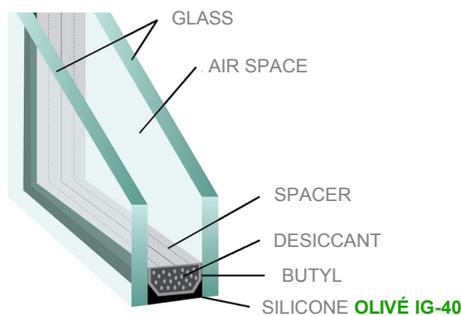
OLIVÉ IG-40 is formulated for use as the secondary sealant in a dual sealed insulating glass units (IGU).

It can be applied in glass with one or two air spaces. It can be used with system of metallic separating profile with aluminium and steel intercalates. It is compatible with most of butyls in primary seal.

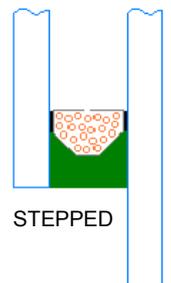
Assembles all types of glass: conventional flat glass, coated glass, low emissive, tinted, enameled, pyrolytic, laminated, tempered, curved; stepped glass or with free edges.

It can be applied also in sealing of insulating glass in facade with Structural Glazing systems. It is compatible with OLIVÉ structural silicone, one and two components.

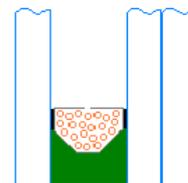
The immediate manipulation of the assembled units is possible due to its fast cure time.



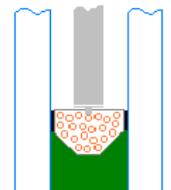
FLAT GLASS



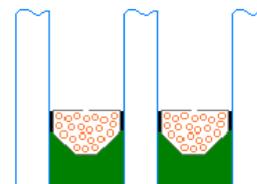
STEPPED



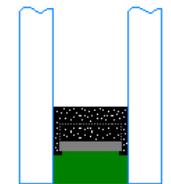
SAFETY



GEORGIAN BAR



TRIPLE



WARM EDGE



WINDOWS



CURTAIN WALLS



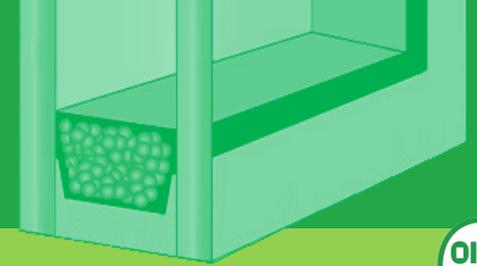
STRUCTURAL GLAZING



SOLAR PANELS



AUTOMOTIVE



TYPICAL PROPERTIES

General technical properties of OLIVÉ IG-40 before cure are the following:

Basis	Neutral oxime silicone
Aspect	Thixotropic paste
Specific gravity	1,24 g./cm ³
Non volatile material	100 %
Application temperature	+5 °C to +40 °C
Skin time	7 - 12 min.
Manipulation time	3 hours (room temperature) (At high temperatures this time is reduced, at low temperatures it lengthens)

Mechanical properties after cure are:

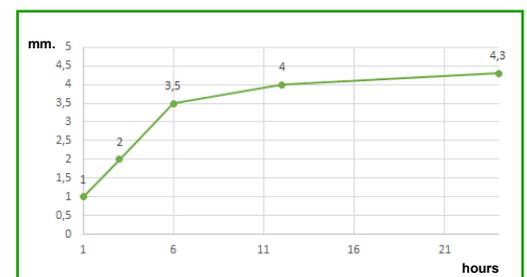
Shore A hardness	ISO 868	30 ± 5 (24 hours) 35 ± 5 (final: 7 days room temperature)
Tensile strength	ISO 37	1,50 MPa
Elongation at break	ISO 37	400 %
VOC content	SCAQMD norma 1168	30 gr./l.
Volatile content	EN 1279-6G	3,98% - 49 gr./l.
Vapor transmission rate	EN 1274-4C	< 15 gr. / (m ² / 24 h. / Film 2 mm.)
Service temperature		-55°C to +150°C
Ageing resistance		Excellent
Chemical resistance		Excellent

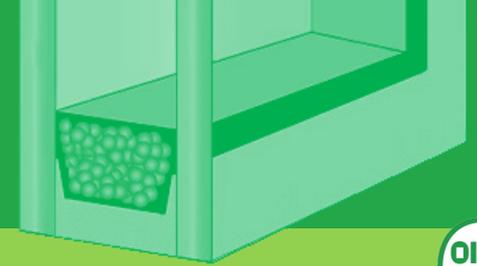
These values may vary depending on environmental factors such as temperature, moisture, and type of substrates. The time until complete curing may be extended at lower temperature, lower humidity or increasing film thickness.

CURE

OLIVÉ IG-40 has a fast cure speed.

The curing speed depends on the temperature and the relative humidity. The graph shows the values at 23°C and 50% R.H.



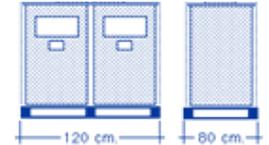
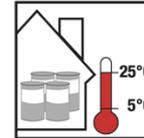


STORAGE

OLIVÉ IG-40 should be stored in a dry and cool conditions (between 5°C and 25°C), in its unopened container.

Shelf life: minimum 12 months

Caution: avoid damaging the containers. The blows would hinder the correct functioning of the application equipment.



REMARKS AFTER TO USE

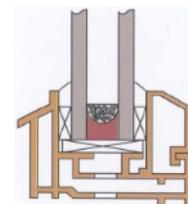
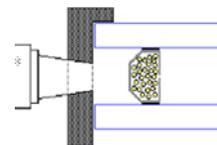
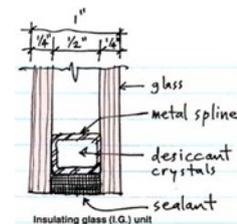
The quality and durability of the Insulating Glass Units (IGU) depends of the following factors:

- DESIGN
- SUITABILITY AND QUALITY MATERIALS
- MANUFACTURING
- INSTALLATION

Insulating Glass Units intended for residential or commercial glazing should be designed with secondary sealant dimensions in accordance with local regulation and adapt to the required performance.

It is recommended to verify the limits of use of all its elements, as well as previous tests of suitability and compatibility.

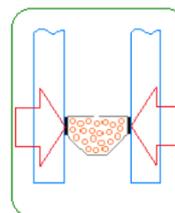
The application on coated glass requires the technical approval of its manufacturers to confirm if it is necessary to remove the area where the sealant will come in contact with the coated glass. A good adhesion is usually obtained on clear and tinted float glass and on hard pyrolytic coatings.



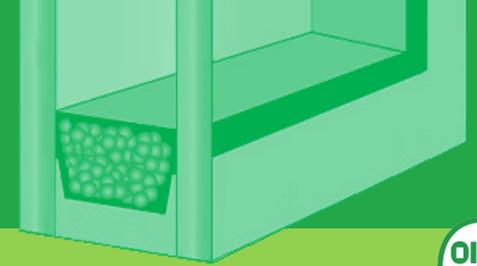
COMPATIBILITIES

The first barrier sealants of Butyl Polyisobutylene, certified according to european standard EN 1279, are compatible in full contact, with the OLIVÉ IG-40 silicone.

In the table are indicated the Butyls compatible with OLIVÉ IG-40.



Reference/s	Manufacturer
OLIVÉ BUTYL IG	OLIVÉ QUÍMICA
GD 115, Naftotherm BU S	KÖMMERLING
BUTYLVER	FENZI
IGK 511	IGK
JS680, JS780, JS880	TREMCO ILLBRUCK
PIB 996, KU-83B	NEDEX



DIRECTIONS FOR USE

Surfaces to be sealed should be clean and dry, free of dust or grease, which could cause a deficient adherence.

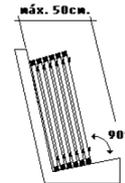
Butyl cords must be continuous, mainly in the angles

The application is simple, quick and safe because product is ready to use, it does need previous mix.

It is applied with a hand or pneumatic gun, in case of cartridges or sausages, and an automatic sealing machine with 1 or 2 pillows, as well as by means of a semiautomatic sealing machine in case of drums.

We recommend cleaning up extrusión machines with OLIVÉ PU-CLEANER (cleaner product hydrocarbons free, re-use and not dangerous) before product polymerization, after only mechanical clean is possible.

It is recommended to store the IGU manufactured in inclined desks at right angles. Stack 50 cm.



SAFETY

Provide good ventilation.

Avoid contact with eyes and skin. In case of eyes contact, rinse immediately with plenty of water and seek medical advice if necessary. In case of skin contact, remove mechanically and rinse immediately with plenty of water and seek medical advice if cause irritation.

Keep out of the reach of children.

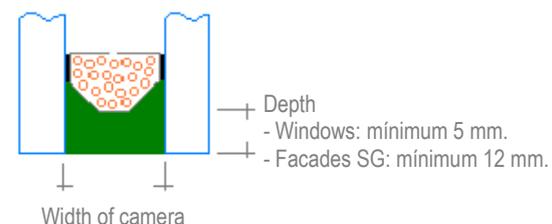
They are not special necessary cautions during their transport.

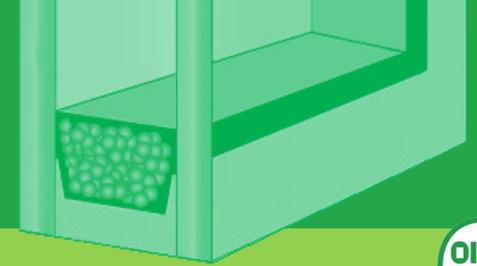
For further information you must to consult Material Safety Data Sheet before handling.



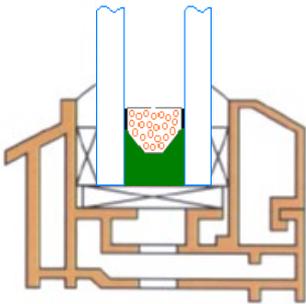
COVERAGE

m.l. x 1 liter	Joint depth	
Camera	5 mm.	12 mm.
16 mm.	12,5 m.l.	5,5 m.l.
12 mm.	17,5 m.l.	7,5 m.l.
10 mm.	20 m.l.	9 m.l.
8 mm.	25 m.l.	11 m.l.
6 mm.	35 m.l.	15 m.l.

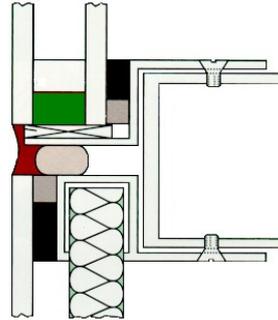




SOLUTIONS AND REFERENCES



IGU installation
Standard UNE 85-222



IGU in Structural Glazing
system facade



WARRANTY

OLIVÉ QUÍMICA warrants that its product complies, within its shelf life, to its specification.

OLIVÉ IG-40 is guaranteed for a period of 10 years from the date of application.

This warranty applies if you meet the requirements for application of the product and the manufacturer applicator complying with current certification in each country for IGU systems.

The information in this document, in particular recommendations regarding the application and final use of our products, are given in good faith, based on our knowledge and experience and are intended as guidelines. It is the responsibility of the user to determine if the product is suitable for the application. 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.

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.

The property rights of third parties must be respected.

This document replaces and supersedes all previous data sheets on the same product.

Olivé

Member of **Wolf Group**



olive-systems.com

Central
OLIVÉ QUÍMICA S.A.

Avda. Bertrán Güell, 78
08850 Gavà (Barcelona)
ESPAÑA
T. (+34) 936 629 911
mail@olivequimica.com

OLIVÉ QUÍMICA
FRANCE sarl

Zone Industrielle
Rue Pierre et Marie Curie
59147 Gondécourt (Lille)
FRANCE
T. (+33) 3 20 38 25 54
contact@olivegroupe.fr

OLIVÉ QUÍMICA
PORTUGAL S.A.

Parque Monserrate
Av. Dr. Luis Sá, 9 - Armazém E
2710-022 Abrunheira (Sintra)
PORTUGAL
T. (+351) 214 262 083
geral@olivequimica.pt

OLIVÉ QUÍMICA
UK Ltd.

DBH 107
The Bridgewater Complex
Canal Street, Bootle L20 8AH
UNITED KINGDOM
T. (+44) 151 550 0179
uk@olivequimica.com