OLIVÉ
LEAD FLASHING

ROOFING AND FLASHING SILICONE

Technical Data Sheet - Version 3.0 -May '20

PRODUCT DESCRIPTION:

OLIVÉ LEAD FLASHING is a one part, high quality neutral cure silicone sealant which cures in atmospheric conditions to form a durable, watertight, permanent and flexible seal, for use with lead sheets and flashings.

OLIVÉ LEAD FLASHING does not content corrosive or strong smell additives and preserves all properties of elasticity and adherence with no ageing problems, remaining stable in front of atmospheric agents.

MAIN BENEFITS:

- Excellent flexibility.
- High movement capability. Withstands the rates of thermal movement of lead and masonry.
- Excellent primerless adhesion to a wide range of substrates. Fully compatible with lead, galvanized steel and all metals.
- UV radiation, weather and ageing resistant.
- Low odour.
- Non-corrosive to metals.
- Solvent free.
- Ready to use.

PRODUCT CERTIFICATIONS:

OLIVÉ LEAD FLASHING meets the following specifications:

- CE marking: EN 15651-1: F-EXT-INT-CC
  EN 15651-2: G-CC

ENVIRONMENTAL REGULATIONS:

- French VOC-emission class B.

PACKAGING INFORMATION:

This product is available in the following packaging:

Cartridges 300ml
24 u/box (56 boxes/pallet)

*European pallets: 120x80 cm

Other packaging is available under request.

COLOURS INFORMATION:

Dark Grey.

Other colours are available on special order.

STORAGE:

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

CE
EN 15651-1: F-EXT-INT-CC
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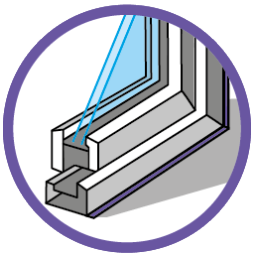
ÉMISSIONS DANS L'AIR INTÉRIEUR*
B
A+ A B C
* Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentat un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).

OLIVÉ LEAD FLASHING

FIELDS OF APPLICATION:



- Roof repair and guttering. Durable and watertight seal between lead and most roofing substrates.
- Ideally suited for sealing roof lights, downpipes, lead flashing, chimneystacks, ventilation ducts, etc.
- Sealing of joints between dissimilar materials, including glass and plastics, to prevent weather ingression.

TYPICAL TECHNICAL DATA:

Basis:		Neutral oxime silicone
Consistency:		Non-slump paste
Specific gravity:	*(ISO 2811-1)*	Approx. 1,20 g/ml
Tack free time:	*(OQ.06-internal)*	< 5 minutes (at 23ºC; 50% R.H.)
Skin forming time:	*(OQ.16-internal)*	Approx. 5-10 minutes (at 23ºC; 50% R.H.)
Curing rate:	*(OQ.18-internal)*	Approx. 3 mm/24 hr.
Resistance to flow:	*(ISO 7390)*	0 mm (at 5ºC and 50ºC)
Loss of volume:	*(ISO 10563)*	< 30%
Shore A hardness:	*(ISO 7619-1)*	Approx. 27
Total VOC content:	*(SCAQMD rule 1168)*	Approx. 160 g/l
Application temperature:		Between +5ºC to +40ºC
Service temperature:		-40ºC to +150ºC
Tensile properties:		
ISO 37 (2mm thickness, S2 dumbbells, 7 days 23ºC;50% R.H.)		
E-Modulus 100%		0,50 MPa
Tensile strength		1,50 MPa
Elongation at break		550 %

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.

OLIVÉ LEAD FLASHING

DIRECTIONS FOR USE:

Surface preparation and sealant application:

A. Cleaning and joint preparation:

Substrates (joint flanks) 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 and thoroughly dried with a clean cloth. Porous substrates (such as concrete, brickwork, etc.) must be mechanically cleaned from loose particles. Mask off the joint edges.

B. Primer:

OLIVÉ LEAD FLASHING adheres to most common construction materials without primer. However, a preliminary adhesion test is recommended on every surface. Sometimes, it may be necessary to treat the joint surfaces with a primer to obtain better adhesion performances.

Olivé Primers:

Product:	Application
Olivé PRIMER 10:	Porous surfaces. (e.g. concrete, cement, marble, natural and artificial stone, etc.)
Olivé PRIMER 20:	Non-porous surfaces. (e.g. aluminium, iron, stainless steel, zinc, copper, brass, painted surfaces and most plastics)
Olivé PRIMER 80DS:	All surfaces. Substrates exceptionally difficult to adhere on.

C. Inserting backing material:

Use the closed cell polyethylene backer foam OLIVÉ CORDÓN PE as a back-up material to limit the sealant joint depth and avoid the sealant to adhere to the joint base. Choose the right backing strip diameter (at least 25% wider than the joint width).

D. Silicone sealant application:

After substrate preparation, apply the sealant evenly with a professional caulking gun. Observe the eventually used primer's open time before filling the joint.

E. Tooling and finishing:

The joint should be tooled and smoothed before skin formation. Press the sealant and smooth it ensuring good contact with the surfaces to seal. Use neutral soapy water as a tooling agent. Remove masking tape. Uncured product may be easily removed with solvents such isopropyl alcohol or "white spirit". Cured sealant must be removed mechanically.

Remarks:

Do not use OLIVÉ LEAD FLASHING 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.

Non suitable for use on natural stone.

OLIVÉ LEAD FLASHING cannot be overpainted.

Not intended for structural glazing.

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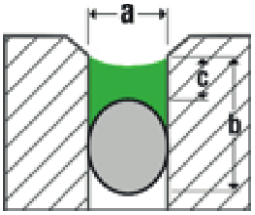

JOINT DIMENSIONING

a *Joint width*
b *Joint depth*
c *Sealant depth*

● *Silicone sealant*
○ *Backing material*

Joint design:

Expansion joints should be correctly dimensioned taking account of dimensional changes in the substrates due to thermal fluctuations. Joint's dimensions should match with the sealant movement capability, with a maximum permitted value of 25%.

Use closed cell polyethylene backer foam (OLIVÉ CORDÓN PE) as a back-up material to limit the sealant joint depth and avoid three-sided adhesion.

The following general rules/recommendations should be followed:

General statement:	The ideal joint has a 2:1 width: depth ratio
Minimum joint dimensions:	5-6 mm width x 5-6 mm depth.
Up to 12 mm wide:	width = depth
From 12 mm to 24 mm wide:	depth = ½ width
Wider than 24 mm:	depth = 12-15 mm
Expansion joints should not be wider than 50 mm.	

Coverage:

Estimated consumption in linear meters per 300 ml. cartridge (approx.):

Joint width (a):	**5 mm**	**6 mm**	**8 mm**	**10 mm**	**12 mm**	**15 mm**	**20 mm**	**25 mm**	**30 mm**
Joint depth (b):									
5 mm	12	10	8	6	5	4	3	2,5	2
8 mm	8	6	5	4	3	2,5	1,8	1,5	1,2
10 mm	6	5	4	3	2,5	2	1,5	1,2	1
12 mm	5	4	3	2,5	2	1,6	1,2	1	0,8
15 mm	4	3,5	2,5	2	1,6	1,3	1	0,8	0,6

Green shades determine the width to depth recommended ratio.

Safety:

Use in well ventilated areas and avoid skin and eye contact. Keep out of the reach of children.

The information regarding the safety of the product is available on safety data sheet (SDS). Before using the product, we recommend to read carefully the SDS and the safety labels.

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GUARANTEE INFORMATION:

Krimelte UK warrants that its product complies, within its shelf life, to its specification.

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.

Liability

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 is the result of tests and experience and are intended as guidelines. It is the responsibility of the user to determine whether 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 carrying out sufficient previous trials.

The property rights of third parties must be respected.

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

KRIMELTE

Member of Wolf Group

Olivé system

olive-systems.com

Central
Krimelte Iberia S.A.U.
Avda. Bertrán Güell, 78
08850 Gavà (Barcelona)
ESPAÑA
T. (+34) 936 629 911
info.es@krimelte.com

Krimelte France sarl
Zone Industrielle
Rue Pierre et Marie Curie
59147 Gondecourt (Lille)
FRANCE
T. (+33) 3 20 38 25 54
info.fr@krimelte.com

Krimelte Portugal S.A.
Estrada de Alfragide, Lote 107
Bloco A2-R/C - Edifício Mirante
2610-008 Alfragide - Amadora
PORTUGAL
T. (+351) 214 262 083
info.pt@krimelte.com

Krimelte UK Ltd.
203 The Bridgewater Complex,
Canal Street, Liverpool, L20 8AH,
UNITED KINGDOM
T. (+44) 151 550 0179
info.uk@krimelte.com