

OLIVÉ MP-35

HYBRID ELASTIC SEALANT

Technical Data Sheet - Version 6.3 – Sept '17

PRODUCT DESCRIPTION:

OLIVÉ MP-35 is a 1-component, permanently elastic, fast curing sealant, based on innovative Hybrid Technology, for indoor and outdoor applications.

OLIVÉ MP-35 can be used for pedestrian indoors joints, preserving all properties of elasticity and adherence with no ageing problems, remaining stable in front of atmospheric agents.

OLIVÉ MP-35 is neutral and odourless curing, has minimal health and safety considerations because does not contain solvents, silicones or isocyanates.

MAIN BENEFITS:

- High elasticity and movement capability ($\pm 25\%$).
- Fast curing. Nearly no shrinkage.
- Can be applied to damp surfaces.
- Excellent adhesion to a wide range of materials.
- Very good UV-, weather and ageing resistance.
- Silicone, isocyanates and solvent free. Non-corrosive.
- Easy to apply, even in adverse conditions and low temperatures.
- Permits painting, even immediately after application, with water based paints and many other systems (to be tested).

PRODUCT CERTIFICATIONS:

Olivé MP-35 meets the following specifications:

- Certified SNJF, (Facade). Class 25E.
- ISO 11600 F-25HM.
- Certified AENOR N.
- CE Marking: EN 15651-1 F-EXT-INT-CC
EN 15651-4 PW INT 25HM

ENVIRONMENTAL REGULATIONS:

- French VOC-emission class A+.
- Conforms to LEED® IEQ-credits 4.1 (Indoor Environmental Quality) adhesives and sealants.



PACKAGING INFORMATION:

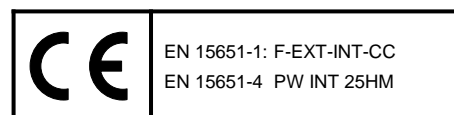
This product is available in 290ml cartridges. Other packaging is available under request.

COLOURS INFORMATION:

White, grey, brown, black. Other colours are available on special order

STORAGE:

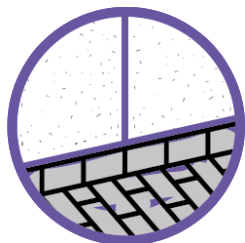
The shelf life is 12 months in the unopened original packaging, in dry conditions and protected from direct sunlight at temperatures between +5°C and +25°C.



* 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).

Producto
Certificado
ISO 11600
Class F 25HM

FIELDS OF APPLICATION:



Multipurpose elastic sealing in the building sector, even onto humid and damp surfaces.

Sealing of precast concrete wall units.

Expansion and connection wall joints in buildings, e.g. joints between window or door frames and brickwork, for stairs, balconies, etc.

Also suitable for movement floor joints.

TYPICAL TECHNICAL DATA:

Basis:		Hybrid polymers
Consistency:		Non-slump paste
Specific gravity:	(ISO 2811-1)	Approx. 1,36 g/ml
Skin forming time:	(OQ.16-internal)	Approx. 40-50 minutes (at 23°C; 50% R.H.)
Curing rate:	(OQ.18-internal)	Approx. 2-3 mm/24 hr.
Resistance to flow:	(ISO 7390)	0 mm (at 5°C and 50°C)
Movement capability:	(ISO 9047)	±25%
Shore A hardness:	(ISO 868)	Approx. 35
Application temperature:		Between +5°C to +40°C
Service temperature:		-40°C to +90°C

Tensile properties:

ISO 37 (2mm thickness, S2 dumbbells, 7 days 23°C;50% R.H.)

E-Modulus 100%	0,60 MPa
Tensile strength	3,30 MPa
Elongation at break	950 %

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.

DIRECTIONS FOR USE:

Surface preparation and sealant application:

A. Cleaning and joint preparation:

Substrates (joint flanks) must be clean, 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. Mask off the joint edges.

B. Primer:

OLIVÉ MP-35 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 CORDON CELULAR 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. Sealant application:

After substrate preparation, apply the sealant with a professional caulking gun, evenly and without bubbles. 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.

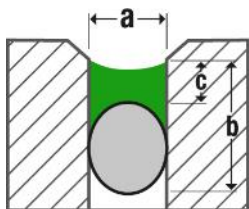
Remarks:

Do not use OLIVÉ MP-35 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.

Paintability: Due to the large number of paints and varnishes available we strongly suggest a compatibility test before application.

Not intended for structural glazing.



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 BACKER ROD) as a back-up material to limit the sealant joint depth and avoid three-sided adhesion.

JOINT DIMENSIONING

- a** Joint width
- b** Joint depth
- c** Sealant depth
- Sealant
- Backing material

The following general rules/recommendations should be followed:

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

Coverage:

Estimated consumption in linear meters per 290 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.

GUARANTEE INFORMATION:

Olivé Química 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.

Olivé

Member of  **Wolf Group**



Central
OLIVÉ QUÍMICA, S.A.

Avda. Bertrán Güell 78
08850 Gavà - BARCELONA (SPAIN)
TEL +34 936 629 911
mail@olivequimica.com

OLIVÉ QUÍMICA
FRANCE

Zone Industrielle
Rue Pierre et Marie Curie
F-59147 Gondecourt - FRANCE
Tel. (+33) 3 20 38 25 54
contact@olivegroupe.fr

OLIVÉ QUÍMICA
PORTUGAL SA

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

OLIVÉ QUÍMICA
UK LTD.

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