

# BISIL LAMIERA



## PRODUCT DESCRIPTION

One part moisture curing silicone sealant, neutral, pasty.

## PRODUCT CHARACTERISTICS

Low modulus, specific for sheet metal use, coverings and carpentry.  
Excellent resistance to atmospheric agents, UV rays, temperature extremes and moulds.  
It adheres to a wide range of materials, including many porous surfaces.

- Neutral reaction, free from plasticizers.
- Excellent workability.
- Resistant to temperature extremes and UV rays.
- Non corrosive.
- Suitable for sanitary, resistant to moulds.

## USES (professional)

- For sealing and bonding galvanized painted steel sheet, steel, iron, aluminium, tinplate, lead, bronze, copper, brass and other metals used in sheet metal, carpentry and building.
- For sealing expansion joints in prefabricated components.
- For sealing expansion joints in concrete installations.
- For sealing facades
- Perimetral sealing of metal frames, wood and PVC.
- For sealing joints in sanitary and wash down environments.
- For multipurpose sealing in buiding and construction.



## LIMITATIONS

- **BISIL LAMIERA** is not indicated for insulating glass applications nor for structural glazing bonding.
- Avoid the contact with materials containing bitumen, tar, EPDM, APTK, neoprene, butyl for possible compatibility issue.
- It is not recommended for sealing of aquaria nor for longterm use under water. It is not suitable for use in food contact applications.
- It should not be used in contact with marble, natural stones, materials bleeding oily matters or plasticizers, nor on surfaces to be overpainted.
- The sealant is not recommended for use in joints submitted to abrasion.
- For any application not listed in this document please contact our Technical Service.

## TECHNICAL DATA

Pollymers and curing system	100% silicone, neutral low MEKO
Application temperature	+5°C / +45°C
Tooling time	10 min
Skin formation at 24h 23°C/50% R.H.	1 - 2 mm
Curing time	1 - 5 days depending on temperature and humidity and on cross section of applied sealant cord
Volume shrinkage (ISO 10563)	<5%
Shore A Hardness (ISO 868)	20
Elastic 100%Modulus (ISO 37)	<0,40 N/mm <sup>2</sup>
Tensile strength (ISO 37)	1,2 N/mm <sup>2</sup>
Ultimate elongation (ISO 37)	>500%
Elastic recovery (ISO 7389-B)	>70%
Maximum allowed joint movement	±25%
Service temperature range	-60°C / +180°C

The values in this table must not be considered as specifications.

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## APPROVALS

### Standard compliance



**EN 15651-1: F-EXT-INT-CC CLASS – 25 LM** sealant for façade for interior and exterior application.

Intended for use in cold climates.

**EN 15651-2: G-CC CLASS – 25 LM** sealant used for sealing glazing applications. Intended for use in cold climates.

**EN 15651-3: XS 1** sealant for joints in sanitary areas.

**EN 15651-4: PW-EXT-INT-CC** sealant for movement joints in floors for interior and exterior application.

Intended for use in cold climates.

## METHOD OF USE

**Surface preparation:** surfaces must be clean, dry and free from dust and oil.

**BISIL LAMIERA** has a good adhesion to materials commonly used in sheet metal application and building.

Otherwise onto cement, aluminium and painted surfaces, the use of Primer can be suggested, appropriate preliminary tests are always recommended.

See table of Primers for silicone sealants.

**Application:** extrude by gun a beam of sealant of about cm.1 in overlap sheets.

Overlap the parts by pressure and seal by another bead along the whole joint. Tooling by spatula.

Drill the metal sheet and apply the rivets, tool by spatula.

**Solvent wiping:** dirty tools can be solvent wiped with **Solvente ST/513**. After curing **BISIL LAMIERA** can be only mechanically removed.

**Paintability:** NO.

## SAFETY AND HEALTH

See Safety Data Sheet. Use **BISIL LAMIERA** in well ventilated areas, during application and curing the sealant releases a small quantity of reacted product.

## STORAGE STABILITY

12 months from date of production for the product kept in the original sealed pack in a dry place at a temperature range between +5°C and +25°C.

## PACKAGING

Code	Colour	Packaging	Unit
1007451	grey	cartridge 310 ml.	24
1007452	sand	cartridge 310 ml.	24
1007453	limestone	cartridge 310 ml.	24



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