

TECHNICAL DATASHEET

PENOSIL Premium Butyl Mastic

One-component plastic and durable mastic based on polyisobutylene.

In contact with air, the butyl mastic forms a smooth skin, but remains permanently plastic underneath. Provides an excellent primerless adhesion to most common building materials, e.g. concrete, wood, masonry, different metals, glass, many plastics, etc.

- Permanently plastic.
- "Self-healing" behavior.
- Easy to use.
- Excellent UV- and weather resistance.
- Very low vapor and gas permeability.
- Non- corrosive to metals.
- Excellent adhesion to a wide range of porous and non-porous substrates.
- Overpaintable
- Practically odorless.

Field of applications

Butyl mastic can be used for sealing joints with low movements, where high weather resistance and permanently plastic behavior is expected. For example, metal roof sealing, sealing the lap joints between metal panels with the inclusion of fasteners, sealing window tins, repairing and renovation of roofs and gutters, sealing greenhouses. Can be used for airtight gluing and sealing of different membranes.

Application conditions

Application temperature between +5 °C and +40 °C.

Application instructions

The surfaces must be clean from dust, loose particles and oil. Non-porous surfaces should be cleaned with solvent and a clean, non-fluffy cotton cloth. Solvent rests should be removed before evaporating with a clean cloth.

310 ml cartridge: Cut off the threaded end of the cartridge and screw on the application nozzle for directing mastic. Cut the threaded end in a way where a suitable opening for application is produced. Place the cartridge together with the applicator in the gun and fill the installation nozzle with mastic, by repeatedly pressing the gun trigger.

Cleaning

Uncured sealant, tools and hands can be cleaned with PENOSIL Premium Cleaning Wipes.

Cured sealant can be removed mechanically by using silicone remover for softening the sealant. Clean the surface with sponge and water.

Technical data

Properties	Unit	Value
Density	g/ml	1,65
Resistance to flow, (ISO 7390)	mm	0
Service temperature	°C	from -20 to 75
Frost resistance during transportation	°C	up to -18

The parameters indicated have been measured at +23 °C and 50% relative air humidity.

Colour

Black, grey, white

Package

310 ml cartridge, 12 pcs in a box.

Storage conditions

Guaranteed storage time 12 months starting from the date of manufacture if stored in a closed original package in a dry place and protected from direct sunlight at between +5 °C and +30 °C.

Limitations

Do not use 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 and adherence test. If necessary, prime surfaces to improve adhesion.

Not intended for insulating glazing (IG).

Safety regulations

Keep out of the reach of children. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with water and seek medical advice.

Cured mastic can be handled without any danger to health.

Detailed safety information is available on safety data sheet (SDS).