

ALTO

PU MASTIC

One Component High Quality Polyurethane Sealant

for interior and exterior use

ALTO PU MASTIC® is one component high quality polyurethane sealant for interior and exterior use. It cures with the humidity to form a tough elastic sealant with excellent resistance to weather conditions. There is a wide temperature application range.

Benefits

ALTO PU MASTIC® has an excellent resistance to ageing, fungi – microorganisms, different cleaning agents and chemicals. It is not affected by water (drinking or seawater), diluted acids or alkalis and keeps its properties from -200 C to +800 C. It has high colour stability, can be easily rubbed and painted. It is odourless and suitable for drinking water.

Available in 2 types:

TUV HELLAS



25 & 40

E.U. Product

Recommended for:

ALTO PU MASTIC® 25 is the most appropriate material for expansion joints of buildings, roofs, water tanks, walls, but also for cupboards, sinks, bathrooms, tiles, windows – doors shuttering, construction panels, facades, etc.

Adheres to most construction materials like concrete, glass, anodized aluminum, wood. ALTO PU MASTIC® 25 is suitable for expansion joints from 10 up to 60 mm (more details at the paragraph: Method of application)

ALTO PU MASTIC® 40 is recommended for industrial applications like joints of heavy duty floors, metal constructions, containers, air-conditioning and also for doors, windows, bathrooms, parapets and various applications of interior decoration.

Adheres on concrete, tiles, anodized aluminum and wood.

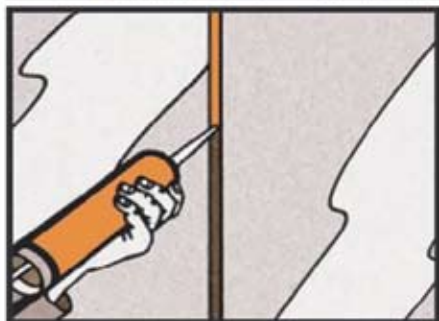


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Method of application

ALTO PU MASTIC® is applied on surfaces with high porosity (cement, plaster, wood etc.) by the use of the appropriate Primer. According to DIN 18540, we follow the steps below:

- We secure that joint's depth will be half of joint's width, by using an expanded polyethylene sealant backer rod or an EPS fillet.
- We clean the joint carefully
- We use anchoring primer ALTO PRIM PU on a dry surface.
- When ALTO PRIM PU is sticky enough, we apply ALTO PU MASTIC®
- Recommended temperatures of application during summer months up to 30° C (morning hours preferred).

It should be noted that applying ALTO PU MASTIC® 25 at expansion joints up to 40 mm wide, the use of ALTOPRIM PU is recommended. For joints above 40 mm the use of ALTOPRIM PU is necessary for better bonding but, on the other hand, the sealant must be applied first at the 2 edges of the joint and then on the joint filler.

TECHNICAL PROPERTIES ALTO PU MASTIC

Skin formation time (23° C, 50% RH):	90 - 120' (type 25), 60' (type 40)
Polymerised thickness after 24 hours (23° C, 50% RH):	2,5 mm (type 25), 3mm (type 40)
Resistance to flow at 230 C (ISO 7390):	≤3 mm (type 25)
Resistance to flow at 500 C (ISO 7390):	≤3 mm (type 25)
Application temperature:	+ 5° C up to + 40° C

On polymerized joint:

Hardness, Shore A (DIN 53505):	25 (type 25), 40 (type 40)
Modulus of elasticity at 100% (ISO 8339):	0,25 Mpa (type 25), 0,40 Mpa (type 40)
Modulus of rupture (ISO 8339):	0,60 Mpa (type 40)
Elongation at break (ISO 8339):	250%
Elastic recovery (ISO 7389):	> 70%
Service temperature:	-20° C up to +80° C

The product complies with:

- SNJF: Elastic Sealant F25 E & CEBTP: Tiles adhesion certificate (ALTO PU MASTIC® 40) ® 40)
- ISO / DIS 11600 (2000)

Colours:	White, Grey
Packaging:	Aluminium cartridges 310 ml (25) Cartridge 600 ml (25,40)
Shelf life:	12 months (max. 3° C)



GREECE

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