

Technical Datasheet

ISOMASTIC-A

Elastoplastic acrylic sealant

Description

ISOMASTIC-A is a single-component elastoplastic sealant without solvents based on acrylic resins, providing:

- Resistance to temperature fluctuations from -20°C to +70°C.
- Excellent bonding to a wide range of constructing materials.
- Painting ability after hardening.
- Frost-resistance.

Fields of application

ISOMASTIC-A is suitable for sealing horizontal or vertical joints, at indoor or outdoor areas, on substrates like concrete, plaster, masonry, wood, stone etc. Also, used for sealing hairline cracks on plaster and joints between wooden or metallic frames and walls, sills etc. It is not affected by frost and it is appropriate for dimensional deformation of up to 8%. It should not be used in regularly walkable joints or joints permanently immersed in water (water-tanks or reservoirs) or on bituminous substrates.

Technical data

| | |
|--------------------------------|---|
| Basis: | acrylic polymers |
| Colors: | white, grey |
| Skin formation: | after 10-15 min |
| Hardening time: | 8-10 days for 5 mm thickness of sealing, depending on the ambient temperature |
| Hardness according to SHORE A: | 25 ± 3 |

Directions for use

1. Substrate

The substrate must be free of dust, loose materials etc.

In case of sealing hairline cracks, they should be widened with a cutting tool (e.g. chisel) or a cutting-wheel at a width of at least 3 mm. The joint or widened crack should be cleaned with a paintbrush or a wire brush and then air-blasted.

To avoid undesirable soiling at joint edges, a self-adhesive paper-tape is applied alongside the edges and then removed immediately after sealing the joint (before skin formation).

2. Application

Insert cartridge in the special gun and cut nozzle in a slant way so that as it does not fit into the joint but just touches and slides along the edges.

Silicon is applied by driving the cartridge alongside the joint axis at a 45° angle.

While still fresh, silicone is leveled using a trowel.

Cleaning of tools:

Tools must be cleaned thoroughly with water whilst material is still fresh. If material is hardened, tools may be mechanically cleaned.

Consumption

- Joint 10mm x 10mm:
1 cartridge/2,8 m of joint length.
- Joint 5mm x 5mm:
1 cartridge/11,2 m of joint length.

Packaging

- 280 ml cartridges, available in white and grey.
- 600 ml sausages, available in white.

Shelf-life - Storage

18 months from date of production in dry, frost-free conditions.

Remarks

- Temperature during application must be at least +15°C.
- During the first few hours of hardening the sealant must be protected from moisture.
- ISOMASTIC-A is naturally harmless and therefore no special precautions are needed.

ISOMAT S.A.

BUILDING CHEMICALS, MORTARS & PAINTS
HEADQUARTERS – THESSALONIKI, GREECE

17th km Thessaloniki – Ag. Athanasios Road
P.O. BOX 1043, 570 03 Ag. Athanasios, Greece
T +30 2310 576000

www.isomat.eu e-mail: support@isomat.eu