

PLAM SIGIL

Salsicciotto (“sausage”)

DESCRIPTION

Plam Sigil Isoplam[®] is a universal, polyurethane, elastic, single-component and moisture-curing sealant and adhesive. Suitable for both indoor and outdoor applications.

EMPLOYMENT

Plam Sigil Isoplam[®] is suitable for various applications:

- used as sealant for vertical and horizontal joints, sealing of joint areas of metal structures, concrete, wood, painted surfaces and plastics.

- used as a universal adhesive is suitable for gluing sills, thresholds, steps, skirting boards, floor panels, impact protection panels, roofing panels, prefabricated elements, etc.

Notes: has limited resistance to petroleum, mineral fats and oils and does not resist organic acids, concentrated mineral acids or solvents.

ADVANTAGES

Plam Sigil Isoplam[®] is characterized by the following advantages:

- one-component, ready to use;
- flexible and elastic;
- is thixotropic and does not leak;
- does not produce filaments at the moment of detachment;
- free of solvents and odorless;
- guarantees the absence of bubbles;
- ensures excellent adhesion to many building materials;
- replace rivets and mechanical fasteners;
- guarantees high mechanical strength;
- has good resistance to weather and aging;
- is suitable for both indoor and outdoor use;
- absorbs shocks and vibrations;
- can be overpainted;
- has CE marking certification: EN 15651/1 TYPE F INT/EXT; EN 15651/4 TYPE PW INT/EXT;
- Complies with the standard: ISO 11600 Type F Class 25 sub-class HM.

HOW TO USE

Preparation of the support

The substrate in concrete, plaster or cement mortar must be clean and dry, homogeneous, free from traces of oils, grease or dirt. Any part that is detached must be removed. Remove any traces of milk crust present.

Plam Sigil Isoplam® generally adheres firmly to various types of substrates, if properly cleaned and restored. For optimum adhesion and high performance even in critical conditions, such as when a particularly long building life is required, very high stresses are required or in case of extreme exposure to the weather, it is necessary to treat the joint with cleaners and primers. When in doubt, first apply the product in a test area.

Both the temperature of the support and the ambient must be between + 5 ° C and + 40 ° C

Application (joint sealant)

After proper preparation of the substrate, insert Filtene Isoplam, the pre-filling cord, to the required depth and, if necessary, apply the primer. Insert the cartridge into the gun and extrude Plam Sigil Isoplam® into the joint ensuring that it is in full contact with the joint seat. Fill the joint avoiding to incorporate air and applying the product against the sides of the joint, working it if necessary, to ensure good adhesion. If sharp contours are required, it is advisable to mask the edges of the joint with Isocolor® Protective Paper Tape, to be removed after sealing and before the sealant begins its hardening reaction. Finish the joint with soap and water or with the appropriate liquid to obtain a regular surface.

Application (gluing)

After preparing the substrate, apply Plam Sigil Isoplam® to curbs or points a few centimeters apart on the bonding surface. Apply a manual pressure to fix the element in the preset position. If necessary, use adhesive tape, wedges or props to support the elements in the initial stages of the hardening and development of mechanical performance. An element that is not correctly positioned can be easily removed and reallocated in the first minutes after application; once the component has been properly repositioned, press it again on the surface to be glued. The optimal bonding is obtained after the complete hardening of the product (for example, for a gluing thickness from 2 to 3 mm, at + 23 ° C the required time is about 24 - 48 hours, depending on the moisture content air).

Clean all equipment immediately after use. The hardened product can only be removed mechanically.

Note:

Elastic sealants should normally not be overcoated since the paints, generally characterized by a movement capacity that is also considerably lower than that of elastic sealants, would risk cracking during joint movement of the joints. In any case, compatible paints can coat the edges of the seal for no more than 1 mm. The compatibility of the paint must be previously tested. Exposure to chemicals or UV rays can cause color variations in the product. These color variations, however, do not compromise the performance or durability of the product. Before applying on natural stone, consult our Technical Service. Do not use Plam Sigil for sealing on glass, bituminous substrates, natural rubber, EPDM, or materials that may ooze oils, plasticizers or solvents that can attack the sealant. Do not use the product for pool sealing. Not suitable for joints subjected to a hydrostatic thrust or in any case to the pressure of water; not suitable for permanent immersion in water. Absolutely avoid the contact of Plam Sigil still fresh (not polymerized) with substances that can react with isocyanates, and especially with alcohols, often contained in diluents, solvents, cleaners and anti-mold substances. Such contact could in fact interfere or even prevent the formation of the crosslinking chain of the polyurethane during the polymerization of the material, compromising the complete hardening and the correct development of the chemical-physical and mechanical performances.

CONSUMPTION

The approximate yield of Plam Sigil Isoplam® as a joint sealant is:

Joint width	5 mm	10 mm	15 mm	20 mm	25 mm
Depth to be filled	5 mm	10 mm	15 mm	17 mm	20 mm
Yield in mt with a 600 ml sausage	ca 12 mt	ca 6 mt	ca 3 mt	ca 1,8 mt	ca 1,2 mt

TECHNICAL FEATURES

Look	Thixotropic material
Density (NPT Method 06) (at +23°C and 50% UR)	about 1,32 g/cm ³
Dust-free Time (at +23°C / 50% UR)	about 50 minutes
Hardening speed (at +23°C / 50% UR)	about 2,3 mm/24h
Operating temperature	-40°C - +90°C
Application temperature	+5°C - +40°C
Tensile strength (ISO 37 DIN 53504)	about 1,7 N/mm ²
Elastic modulus at 100% (ISO 37 DIN 53504))	0,7 N/mm ²
Breaking elongation (ISO 37 DIN 53504)	about 570%
Joint movement capability (EN 15651/1; ISO 11600)	±25 % of joint width
Shore A (DIN 53505)	38 N/mm ²

PACKAGING AND COLORS

Plam Sigil Isoplam® is supplied in 600 ml cartridges in black or grey RAL 7035.

CONSERVATION AND SAFETY

Plam Sigil Isoplam® can be stored for 12 months from the date of production for undamaged packaging, in a dry environment protected from direct sunlight and at temperatures between +10°C and +25°C.

The product is intended for professional use only. Consult the safety data sheet before use.

IMPORTANT

The PLAM SIGIL product is formulated to be used as in the application above. The addition of any other product compromises the final result of the surface.

All information contained in this sheet is based on the best practical and laboratory experiences. It is the customer's responsibility to verify that the product is suitable for the intended use. The manufacturer declines all responsibility for the results of incorrect applications. It is advisable to always carry out tests on small surfaces before application. Data can be changed at any time. This sheet replaces and cancels previous ones.



The PLAM SIGIL product is intended for professional use. Isoplam Srl periodically organizes courses for its customers who request it.