



acrilastic® XP

acrylic

Technical Data Sheet

acrilastic® XP is a 100% acrylic-based, siliconized sealant, made to seal joints between smooth and porous materials, favoring sustainable development by caring for the environment. It is a product manufactured in the form of a soft, creamy paste that is easy to apply. It has excellent properties such as adhesion to a variety of substrates, great exterior durability, high capacity for movement, low VOC and prevents fungi formation. After being applied, the product quickly forms a tack-free surface and takes on a solid and elastic consistency with characteristics similar to those of vulcanized rubber.

Technical information:

PROPERTIES	VALUE	TEST METHOD
Chemical base	Siliconized Acrylic	
Aspect	Soft paste	ASTM – C603
Tack-free time	30 minutes max. (25 °C and 50% HR)	ASTM – 679
Curing ratio	1.2 -1.6 mm/day	ASTM – D1640
Density	1.45 -1.65 g/ml	ASTM-D-1475
Application temperature	41 °F to 98.6 °F	
Working temperature	-14.8 °F to 176 °F	
Elongation	>400 %	ASTM-D-412
Tensile strength	> 8 kgf/cm ²	ASTM-D-412
Shore A hardness	30-40	ASTM- C-661
Movement capacity	±25%	ASTM-C-719
Resistance to UV rays	Excellent	ASTM-G-154

Information obtained from laboratory tests.

Uses

acrilastic® XP has been formulated mainly for:

- Sealing joints with severe movement in residential and commercial aluminum windows.
- Seal joints in plasterboard systems.
- Joints between wooden frames in doors and masonry.
- Seal construction or accidental joints in quarry, concrete, block, partition, wood.
- For filling cracks

Advantages

- Complies with standard ASTM-C-920 class 25.
- Low VOC content (Volatile Organic Compounds).
- Environmentally friendly.
- Reduces sound transmission levels.
- Prevents prevents fungi formation.
- Great rain resistance.
- Greater weather resistance than traditional acrylic sealants.
- Excellent adhesion to porous and smooth surfaces.
- Can be applied on slightly damp surfaces.
- Does not drain.
- Paintable (Elastomeric paints are recommended for better performance).
- Due to its low VOC level, it contributes to obtaining points for LEED certification.



Application

The surfaces to be sealed must be firm, dry, clean, free of dust, grease, oil, water and old sealant. Clean porous surfaces with a brush or by applying pressurized air to remove all loose particles. In the case of smooth surfaces, cleaning is done with the two-cloth technique that consists of passing a lint-free cloth soaked with isopropyl alcohol over the surface and immediately removing all impurities with another dry and clean cloth. Place masking tape on the surfaces to delimit the area to be sealed. Insert **acrilastic® XP** into the cartridge gun, cut the upper part of the cartridge, then place and cut the pipette at 45°, calculating the width of the joint to be sealed. Activate the trigger of the gun to depress the plunger and thus the product will flow over the joint. Apply the sealant in a bead shape on the surface to be sealed. Leave a section of at least 7 x 7 mm and a maximum of 15 mm. Finally, go back in the opposite direction to the application with a straight spatula so that the sealant penetrates the joint as necessary, to generate better adhesion and break the air bubbles that may be trapped during the application. Remove the masking by peeling in the opposite direction to the application with a continuous but controlled movement. The excess can be removed as soon as possible with a cloth moistened with water.

Recommendations

- Apply the necessary quantity of the product.
- Do not apply to wet surfaces or materials in the process of curing or setting.
- Paint it until it is fully cured.

Maintenance

- Does not require any maintenance.
- If the seal is damaged, replace the damaged section by cleaning the surface before applying new sealant.

Precautions

- Avoid outdoor application when heavy rains are forecast.
- Do not apply over aged paint or sealant.
- Avoid contact with eyes, in case of contact with eyes wash immediately with plenty of water.
- Keep out of reach of children.

Limitations

- Not recommended on surfaces that are in continuous contact with water or in immersion.
- In continuous traffic floor joints.
- On galvanized sheet roofs.

Presentation

Packaging and Colors



- White
- Black

Performance

A cartridge lasts 5.7 m, in 7 x 7 mm joints, considering a 7% waste.

Shelf life

18 months kept in a fresh and dry storage, in its original packaging at a 21 °C (70 °F) temperature and 50% of atmospheric moisture.

Technical Support

Productos Pennsylvania's Technical Support is at your service, assisting you with:

Guidance in how to apply this or any of our products.

Blueprint reviews.

Joint dimension calculus.

Compatibility and adhesion testing of our sealants with different materials.

NOTE:

Productos Pennsylvania S.A de C.V. provides technical assistance when required. Please contact our Technical Department regarding use and application of this product. It is the user's responsibility to test the product and its uses before application.

Productos Pennsylvania, S.A. de C.V.

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the caulking expert

