

pens® foam 360° multi-position

polyurethanes

Technical Data Sheet

pens® foam 360° multi-position is a very versatile foam, because it allows the application without the need to place the can inverted, achieving that the foam is fully used. Cures with the humidity of the environment turning into a very rigid foam of closed cell.

Technical Information

PROPERTIES	VALUE	TEST METHOD
Consistency	Polyurethane foam	
Closed cells content	±70%	
Skin over time	10-15 minutes (77 °F y 50% HR)	FEICA TM1004
Curing ratio	100 to 120 min	
Can be cut	30 to 50 min.	FEICA TM1005
Density	20-30 kg/m ³	
Expansion	7.92 gal	FEICA TM1003
Application temperature	41°F to 95°F	
Work temperature	-40°F to 194°F	

Information obtained from laboratory tests.

Uses

pens® foam 360° multi-position has been mainly developed for:

- Seal large joints or separations between walls and wood or aluminum door or window frames.
- Seal the joints in the forge doors frames and below the plates of the bases.
- To fill large holes in materials like bricks, block and concrete in constructions.
- To fill drills in hydraulic installations of copper, PVC or fofo tubes.
- To seal joints between the embedded and wall air conditioning systems.
- To fill drills in electric installations of poly-duct tubes.
- Specially designed to fill cracks or slit in flat or irregular surfaces.

Advantages

- Easy multi-position application.
- Minimum contraction (once cured).
- Closer cells that allow a better seal and compression, preventing breaks or cracking.
- A single component.
- It could be applied waterproofing, pastes or scratch coat once cured.
- It could be painted with any paint (even sprays).
- The cured foam is not toxic.
- It expands more than a 300%.

Application

The surfaces to be sealed shall be firm, dry, clean free of dust, grease, oil, water and old sealant. Porous surfaces shall be cleaned with brush or applying compressed air to remove all loose particles. The cleaning of smooth surfaces (like glass, metal, etc.) it shall be done a cleaning with two cleaning clothes, consisting in passing a (lint free) cleaning clothe impregnated with isopropyl alcohol, and removing immediately all the impurities with a clean and dry cleaning clothe. Shake the can vigorously for one minute so the components mix completely and place the applicator. Apply **pens® foam 360° multi-position** in the best position that suits you depending on the space for application (vertical, horizontal or lateral) and press the dispenser so the foam flows easily. The foam flow could be controlled applying more or less pressure on the dispenser. Apply only the necessary foam, considering that the foam will expand 300% with the curing process.



Recommendations

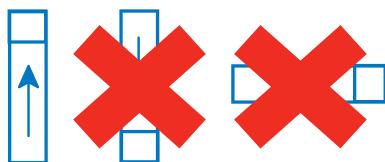
- Read the information about safety instructions before using this product.
- It is recommended to perform tests under actual application conditions to guarantee its proper operation.
- Use only in well ventilated areas with air in motion to prevent formation of vapors during its application and curing; and with protective clothes, gloves, as well as protective glasses.
- After the cleaning and to achieve a better expansion of the foam, it is recommended that the surfaces are slightly wet spraying clean water before applying each layer of **pens[®] foam 360° multi-position**. Specially in cavities with a diameter larger than 3".
- To get a good finishing, it is recommended that once cured the foam, the excess is cut at the edge of the surfaces with a knife or cutter. In case it is required, it could be sanded or even leveled with gypsum, concrete or paste.
- If the foam is going to be exposed to the sun rays, it is recommended to paint it to prevent the stain (burnt yellow) or the degradation.
- Perform test under real application conditions to ensure correct operation.

Maintenance

- It does not require any maintenance, however.
- In case that the foam already applied suffer any damage, replace the damaged section and place again **pens[®] foam 360° multi-position**.

Precautions

- Prevent the contact with skin, eyes and prolonged or repeated inhalation of vapors (Lung irritant).
- In case of contact with the skin, rub with a cloth dampened in acetone or isopropyl alcohol repeatedly until eliminate the foam completely.
- The non-hardened foam could be removed from clothes using a cloth dampened with acetone (it does not apply for synthetic fibers).
- The content is under pressure, it shall not be punch or burn (compressed spray gas).
- The foam is extremely flammable, keep away from heat, sparkles, flame or static electricity. Do not place in hot water or near to radiators or stove heaters or other heat sources or above 49°C (120°F).
- Keep out of the reach of children.
- Store vertically.



Limitations

- Do not apply on teflon, polyethylene, silicone, oil and greases.

Presentation

Packaging and Colors

- Yellow



Coverage

- 340 g yields 13 liters. (Volume)
- 489 g yields 19 liters. (Volume)

Shelf Life

18 months in cold and dry warehouse in its original packaging at temperatures of 21 °C (70 °F) and 50% relative humidity. Heat excess may cause premature aging of the components, which cause a short shelf life.

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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Date of production: **March 2023**

the caulking expert

