

# pens® prefabricated MB

Hybrids

Technical Data Sheet

**pens® prefabricated MB** is a single component low module hybrid sealant, that has been formulated for expansion joints and control of prefabricated constructive systems of cement, fiber cement, gypsum and concrete. It has good adhesion to most of construction materials.

## Product Data

PROPERTIES	VALUE	TEST METHOD
Chemical base	Hybrid	
Aspect	Soft paste	
Skin over time	90 minutes (77 °F, 50% RH)	ASTM-C-679-15
Curing Rate	2.5 mm/day (77 °F, 50% RH)	
Density	1.35 g/ml	ISO 1183-1
VOC	44.6 g/L	
Application temperature	41 °F to 104 °F	
Service Temperature	-22 °F to 158 °F	
Elongation	>600%	ISO 8339
Tensile Strength	188.4 lbf/in <sup>2</sup>	DIN 53504
Shore A Hardness	25	DIN 53505
Movement Capability	±50%	

Information obtained from laboratory tests.

## Uses

**pens® prefabricated MB** has been designed for:

- Constructive joints of prefabricated systems
- Joints for pedestrian transit floors.
- Perimeter joints of doors and windows.
- Joints between smooth-porous and smooth materials.

## Advantages

- Joints up to 4.5 cm.
- It could be applied in wet surfaces.
- It could be applied in materials like: plastic, polyester and most of PVC.

## 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. Place a masking with masking tape on the surfaces to limit the area to be sealed. Introduce **pens® prefabricated MB** the caulking gun for the sausage. Cut with scissors at the edge of the metallic staple in the upper part of the sausage, then place the upper thread along with the pipette, cut at 45° calculating the width of the joint to be sealed. Then pull the trigger to press the piston and the product will flow on the joint. Apply the sealant as a cord on the surface to be sealed. It shall be left minimum a section of 6x6 mm and maximum 4.5 cm. constantly to perform a uniform cord. Finally, it will be done a pass in opposite direction to application with a straight spatula so the product penetrates and is obtained a better adhesion and break the air bubbles that could be trapped during the application. Once performed this, remove the masking tape in opposite direction to application in continuous and controlled movement. The excess could be removed before curing with a cloth dampened in isopropyl alcohol.



Hybrids

SHIB-03

12-10-2023 (replaces all previous ones)

pens® prefabricated MB



## Recommendations

- It is essential to use **pens® PRIMER LP** for sealing cement panel joints.
- Perform tests under actual application conditions to guarantee its proper operation.
- Do not apply in wet surfaces or materials in curing process.
- Paint until it is completely cured. (For better performance, elastomeric paints are recommended).
- Consult with technical support about the use of primer if needed.

## Maintenance

- It does not require any maintenance, however.
- If the seal is damaged, replace the damaged section, cleaning the surface before applying the new seal.

## Precautions

- Keep out of the reach of children.
- Apply in areas with good ventilation.

## Limitations

- It is not recommended for structural glazing.
- It is not recommended for constant immersion in water or solvents.
- It is not recommended in floors with heavy traffic.

## Presentation

### Packaging and Colors



- Concrete gray

## Coverage

A sausage yields 15.50 m in a joint of 6 x 6 mm, considering a 7% waste.

## Shelf Life

12 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

