

# support SOF Rod / HBR

## accessories

## Technical Data Sheet

Cylindric support cord manufactured with polyolefin foam (SOF Rod) or polyethylene (HBR). The interior is formed by a series of open cells (SOF Rod) and closed cells (HBR), that allow elasticity of the sealant and eliminate the bubbling if the external layer breaks.

### Technical Information / SOF Rod

PROPERTIES	VALUE
Density	24 to 48 kg/m <sup>3</sup>
Tensile strength	29 psi (200kPa)
Water absorption per volume	< 0.03 gr/cm <sup>3</sup>
Compression resistance	5.5 Psi (38.2kPa)
Recovery	Aprox. 96% (50% deformation)

*Information obtained from laboratory tests.*

### Technical Information / HBR

PROPERTIES	VALUE	TEST METHOD
Density	28 to 40 (kg/m <sup>3</sup> )	ASTM D-1622
Tensile strength	43-4(299) PSI (kPa)	ASTM D-3575
Water absorption per volume	< 0.03 gr/cm <sup>3</sup>	
Compression resistance	1.2 (8)Psi (kPa)	ASTM D-5249
Recovery	Aprox. 95% (50% deformation)	ASTM D-5249

*Information obtained from laboratory tests.*

### Uses

**support SOF Rod / HBR** has been mainly developed for:

- Being used in expansion joints to limit the quantity of sealant applied.
- To prevent that the sealant adheres to a third surface.
- To properly design a joint.

### Advantages

- It does not have adhesion with most of the sealants.
- Easy installation.
- Helps to perform a proper design of the joint.
- Helps to decrease the use of unnecessary sealant.
- Prevent that the seal has adhesion to three surfaces.

### Application

Place the support in the joint and press with a rounded nonsharp tool until reaching the desired depth of the seal. The support will be placed in the joint, being 1/8" larger than the joint so at the moment of applying the seal does not move it and comply its limiting function.



## Recommendations

- Perform tests under actual application conditions to guarantee its proper operation.
- Do not twist the support.
- Do not place two supports to get a larger thickness.

## Maintenance

- Does not require maintenance.

## Precautions

- Place the support up to the moment of performing the application to prevent its contamination.

## Limitations

- It is not recommended its application if the surface is wet due it may cause problems when placing the seal.

Table for support selection

If the joint has a width of:	Use support with diameter of:
3/16" or less	1/4"
3/16" to 1/4"	3/8"
3/8" to 1/2"	5/8"
1/2" to 5/8"	3/4"
5/8" to 3/4"	1"

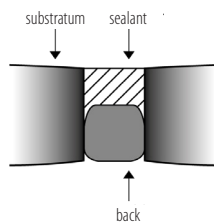


figure 1

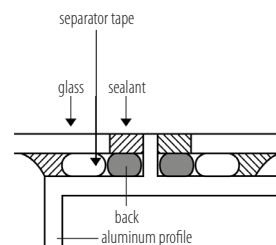


figure 2

## Presentation

### SOF Rod (polyolefin)

3/8"  
5/8"  
7/8" \*  
1 1/2"  
2"

### Colores

- Gray

### HBR (polyethylene)

1/4"  
3/8"  
1/2"  
5/8"  
3/4"  
1"  
1 1/4" \*

\* Sizes under request.

## Performance

Equivalent to the length of support.

## Shelf Life

12 months in original packaging.

## 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

