

# SOF<sup>®</sup> SEAL

Bi-Cellular Polyethylene



SOF<sup>®</sup> Seal is a soft bi-cellular polyethylene foam gasket used in between the marriage joint on factory built modular and log homes. It is extremely flexible and comprised of a convenient nail fin for easy installation.

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## PERFORMANCE

SOF Seal is an extruded, pre-formed foam gasket that has a water resistant outer skin and a soft, highly resilient interior network of open- and closed-cells. SOF Seal easily fills various sizes and shapes of marriage joint openings.

SOF Seal has a low water vapor permeance and performs better than other materials if condensation is formed by moisture laden air leaking through wall cavities and joint openings.

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## DESCRIPTION

FORM: Clean, Dry, Pre-formed, Air Leak Gasket.

TYPE: Engineered polymer foam gasket for use in construction.

TEMPERATURE LIMITS: -45°F to +160°F.

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## STORAGE

SOF Seal should be stored in a well ventilated area and should not be kept in direct sunlight. It should be kept away from heat sources and open flames.

### Features

- Water resistant
- Mold resistant
- Mildew resistant
- Non-gassing
- Non-exuding
- Easy to use
- Clean product
- Inert
- Recyclable
- Made in USA

### Specification Compliance

- Meets all requirements of the 1990 Clean Air Act
- Is a “Domestic End Product” as defined in Buy American Act, Title 41 USC 10

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## PHYSICAL PROPERTIES

Property	Value	ASTM Test Methods
Density lb/ft <sup>3</sup> (kg/m <sup>3</sup> ), avg.	1.8 - 2.5 (28-40)	D 1622
Permeability (perms)	< 65	E 96
Compression Recovery, %, min	> 96	D 5249
Compression Deflection psi (kPa)	1.6 (11.3)	D 5249
Tensile Strength psi (kPa)	26.4 (182)	D 3575
Water Absorption (g/cc)	< .03	C 1016 Procedure B

## PRODUCT INFORMATION

Product	Unit	Roll Length
2-1/4" (57 mm)	Carton	200' (61 m)
2-1/4" (57 mm)	Spool	775' (236 m)

## INSTALLATION

1. Set the first module according to required specifications.
2. Install SOF Seal around the entire perimeter of the module, up the exterior wall studs, along the center line of the top length of the marriage wall beam, and across the bottom girder. The staple fin can be installed up or down. (Figures 1 and 2)

*SOF Seal should be adhered to the marriage wall every 8-12" on center, using the SOF Seal nail fin. Staples or nails may be used, as long as they hold the SOF Seal tight to the marriage wall without the crown penetrating or tearing the surface of the Seal.*

3. Set the adjoining module, taking extra care not to tear the SOF Seal\*

**Crane Assisted Set:** If SOF Seal has been factory installed, to guard from winch line abrasion, place two 2"x4"x36" blocks at the top plate where the winch line will cross. Once the second module is lowered, remove the blocks and gently marry the modules together, without tearing the gasket.\*

\*Once the modules are married, wet spray foam may be used to fill any voids in the marriage wall.

