

ENERFOAM 42

Polyurethane Adhesive/Sealant

Technical Data

Precautions

- Wear protective gloves, clothing, and safety glasses.
- Keep sealant out of reach of children.
- Provide adequate ventilation.
- Contents under pressure: Do not place in hot water or near radiators, stoves, or other sources of heat. Do not puncture or incinerate container or store at temperature over 120°F, 50°C.

First Aid

Non-toxic under normal conditions. Treat as a mild irritant to skin. Flush eyes with water and see a physician. See material data sheet for more information.

Notice to Purchaser

EnerFoam is guaranteed to conform to product specifications (see Technical Data) if used by the expiry date imprinted on each aerosol container (approximately 12 months after manufacture). EnerFoam is available locally and worldwide.

Type of Drywall:	5/16" Gold Bond, 1/2" Gold Bond, 5/16" Georgia-Pacific, 5/16" USG, 5/16" Domtar
Top Plate Dimensions:	1"x3", 2"x3", 2"x4"
Bottom Plate Dimensions:	1"x3", 2"x3", 2"x4"
Stud Size:	2"x3", 2"x4"
Stud Spacing:	16 o.c., 24 o.c.
Mechanical Fastener:	1/4" cr x 1" lg. staples, 3/16" cr x 1" lg. staples, 1.25" drywall screws, 1 1/2" x 0.99 rs nails
Perimeter Fastening:	6" o.c., 12" o.c., 16" o.c.
One-Sided:	Results recorded from 171 plf up to 276 plf.
Two-Sided:	Results recorded from 265 plf up to 446 plf.

Description

EnerFoam is a sealant and drywall adhesive specifically designed for both manufactured housing and modular construction.

EnerFoam is a lightweight, professional foam system. Used with the Pageris gun, it is a cost-effective solution for most in-plant sealant and adhesive applications. It is a safe, easy-to-use system that is ergonomically designed and self-propelled to reduce carpal tunnel injury and improve productivity.

One can of EnerFoam yields the equivalent of 120 ten-ounce tubes (40 quart tubes) of regular sealant or adhesive.

Uses

1. Sealant

EnerFoam is designed to provide an airtight, water-resistant seal for water heater and heater compartments, windows, floor and wall penetrations.

2. Drywall Adhesive

EnerFoam bonds to drywall, masonry vinyl-faced wall-board, wood or steel studs, and other structurally sound surfaces and can withstand building movement without shearing.

EnerFoam expands to compensate for wood warpage for a consistent bond every time. Since EnerFoam does not contain solvents, it will not stain drywall.

EnerFoam can be used with perimeter fasteners only: no staples in the field. It meets ASTM C557, and conforms to CGSB-71.25. It has also been tested (using perimeter fasteners only) for rack shear using ASTM E 72-80.

Physical Properties

Type:	Crosslinking, single-component polyurethane foam. Moisture cured. EnerFoam is not solvent-based.
Color:	Cream
Flameability:	UL Class 1 Building Material (Flamespread of 15, Smoke generation of 20)
Toxicity:	EnerFoam is a non-hazardous material.
Open Time:	Up to 7 minutes.
Cure Time:	Within 1 hour.
Application Temperature:	25°–120°F
Freeze-Thaw Stable:	Yes
Shelf Life:	One Year
Clean-Up:	EnerFoam Cleaner
Thermal Resistance:	5.7/Inch

Features

- Quick moisture cure (no solvents)
- Develops strength quickly
- High yield
- Controllable bead size
- Low expansion
- One-hand operation
- Paintable
- R = 5.7 per inch
- Accoustical sealant
- Bridges framing gaps

Specifications

- Tested per ASTM E 72-80 by Progressive Engineering for rack and shear strength.
- Meets ASTM C 557-93 (Tested by PFS).
- Conforms to CGSB-71.25-M88.
- Multiple third-party shearwall tests available.

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Limitations

EnerFoam is not recommended for:

- Exterior areas continuously exposed to ultra-violet rays, unless painted.
- Long-term immersion in water.
- Long-term exposure to temperatures above +120°C, 250°F, or to open flame.

Packaging

32-oz. cartridges, 12 per case.

Storage

EnerFoam is an aerosol material and must be kept below 120°F.

Coverage

One can = 40 quart tubes of traditional adhesive or 120 10-oz. tubes of traditional adhesive.

Application Procedures

Surfaces should be free of dust, oil, grease, frost, and loose debris which may impair bond. Dampness will not impair bond. Where adjacent surfaces are to be left exposed, provide a suitable protective masking during installation.

1. Sealant

Point and shoot. Point the end of the Pageris gun into the wall or floor cavity and pull the trigger until desired bead size develops.

2. Drywall Adhesive

- Sidewalls:** Run a bead down the stud and along the top and bottom plate. Place the drywall sheet within seven minutes (faster in high humidity). Use mechanical fasteners to fasten the perimeter.
- Shearwalls:** Follow the fabrication procedure outlined in the Rack Shear test reports. Mechanical fasteners should be used in accordance with shear wall test or use Senco K-13 fasteners at 6" o.c. around perimeter. No staples are required in the field.