

hcfc-free "green" expanded polystyrene insulation

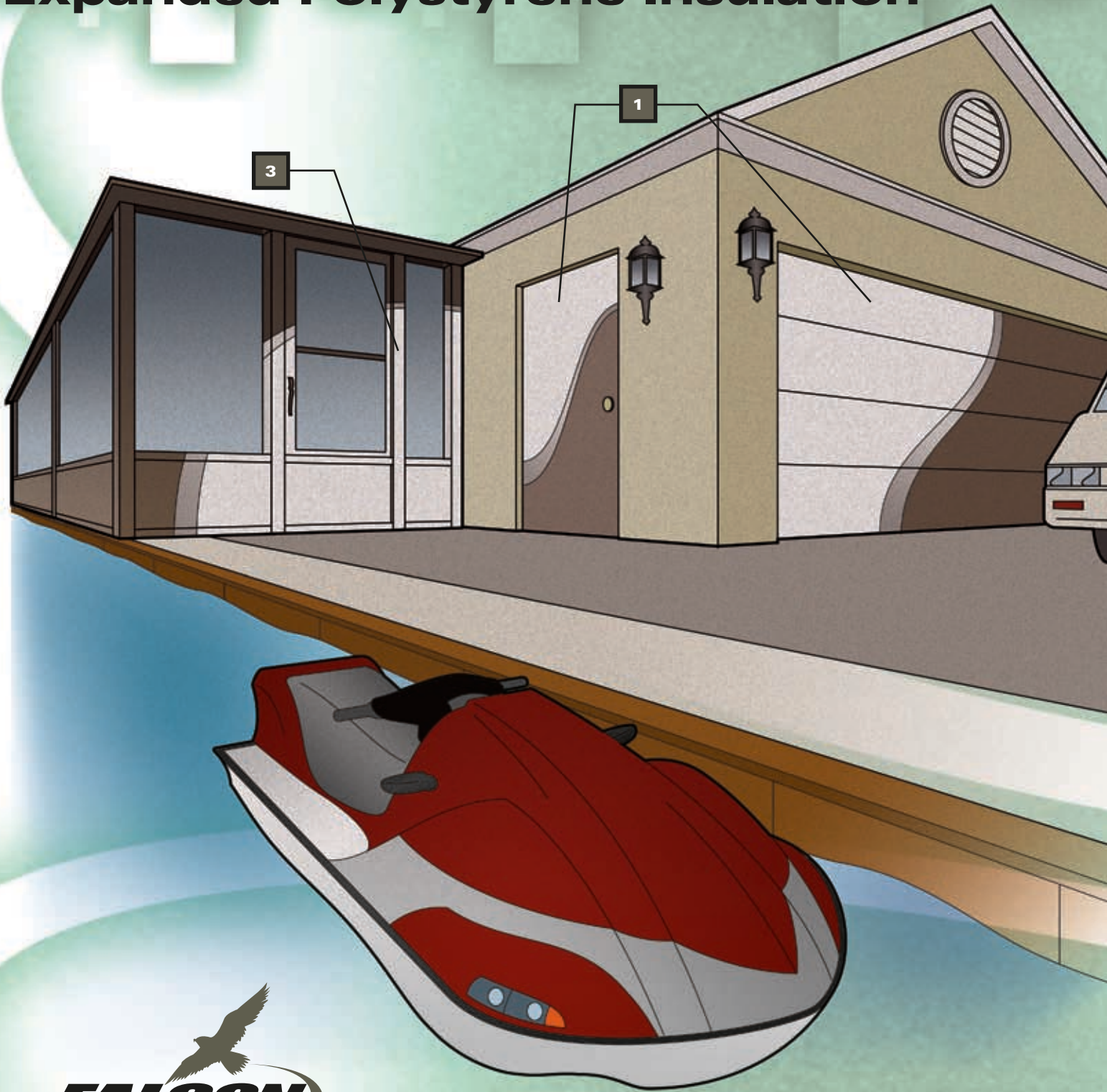
EXPANDED POLYSTYRENE FOR POLYSTYRENE OEM SOLUTIONS



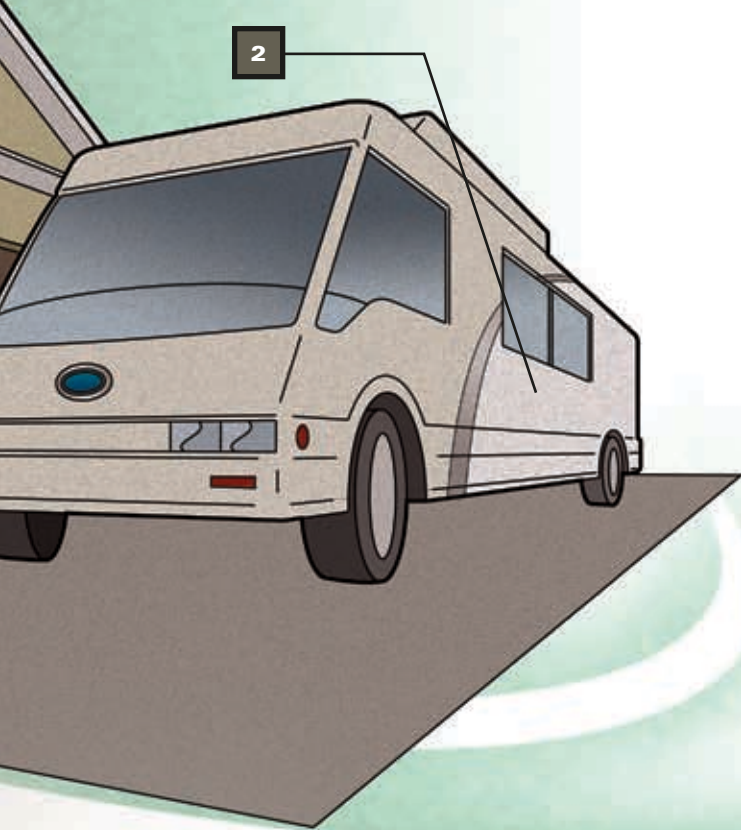
www.FalconFoam.com

Polystyrene OEM Solution

Expanded Polystyrene Insulation



Falcon Foam provides solutions to manufacturers of a wide variety of products, from Recreational Vehicles to Sun Rooms, packaging for office furniture to Garage Door core insulation. With over 35 years of experience, Falcon's Sales and Engineering staff can provide the best EPS solution for your OEM needs.



1 Garage and Pedestrian Doors

HIGH QUALITY EXPANDED POLYSTYRENE (EPS) ENGINEERED FOR RESIDENTIAL AND COMMERCIAL GARAGE DOOR & PEDESTRIAN DOOR APPLICATIONS

Beneath the beauty of today's door design lies the true test of insulating performance - Falcon Foam Insulation. For over 30 years, Falcon Foam Insulation has proven its superior insulating qualities in a wide variety of residential and commercial door applications. Falcon Foam Insulation is manufactured under rigid quality control standards. Specially designed curing rooms yield an exceptionally high quality foam for critical applications. Falcon Foam Insulation is validated by Underwriters Laboratories and independent testing labs, assuring you of compliance with all code requirements. Falcon Foam supports both industries through its association memberships in DASMA and IDA.

Insulating a garage door can add value to a homeowner's investment. A garage door opening is a very large hole in the garage. Using Falcon Foam EPS to insulate the garage door helps reduce hot or cold air infiltration. By doing so utility bills may decrease and the garage as a workshop will be more comfortable. An insulated door is also generally quieter and has a more attractive interior than a non-insulated door.

HIPS LAMINATION (GARAGE DOORS ONLY)

Falcon Foam Insulation is available with your choice of matte or textured High Impact Polystyrene (HIPS) laminated to the exposed surface.

KERFING (GARAGE DOORS ONLY)

Each panel can be kerfed for easier, faster installation. Kerf width and depth meet your specific requirements.

MULTIPLE RIBBING (GARAGE DOORS ONLY)

For multi-rib commercial doors, Falcon Foam EPS Insulation panels can be custom cut with a matching profile resulting in thicker insulation in the deeper areas of the door for maximum R Value.

CUSTOM PROFILING (GARAGE DOORS & PEDESTRIAN DOORS)

Raised door panel applications benefit from Falcon Foam Insulation embossed and custom cut profiles, creating a tighter tolerance fit for your lamination process.

CUSTOM DETAILING (PEDESTRIAN DOORS)

Falcon has the ability to notch for entry door locks, door returns, etc., and to meet the critical dimensional requirements common to this industry.

That 's Falcon Foam Insulation - The Underlying Quality

2 Recreational Vehicle

Falcon Foam has been a leading supplier to the recreational vehicle industry for over 20 years supplying a wide variety of products and services on a national scale. Falcon has been involved in many of the innovations and technological advancements incorporated in the structural design of the modern day RV. Falcon's Engineering Group has been involved with many RV manufacturers in the development of structural wall and roof panel designs currently in use today.

Under the guidance of its Quality Assurance Department, Falcon Foam ensures its customers receive consistent delivery of service and product. Falcon's Quality Specialists are also involved at the research level to help provide the best options and alternatives at the initial stages of product development process.

As a long-standing member of the RVIA, Falcon is committed to providing the best in quality products and services both now and in the future to the Recreational Vehicle industry.

SIDEWALL

Falcon Foam EPS is a rigid, lightweight and easy to cut product making it an excellent choice for RV wall applications. Normally used as a foam core laminated between an inside and outside skin it creates an envelope around the structure. As a result, EPS foam core walls have fewer gaps, which make them more naturally resistant to heat transfer than with conventional stud construction. Proven to hold its R-value over time, Falcon Foam EPS Insulation can be depended on to provide energy savings for the life of the vehicle.

ROOF/FLOOR

Falcon Foam EPS is a rigid, lightweight and resilient product making it an excellent choice for RV roof and floor applications. Based on the amount of roof/floor traffic and equipment weight, various densities are available to meet the necessary dimensional stability and compressive strength requirements. This product also offers long term R-Value, adding to the energy efficiency of the total structure.

MOLDED ROOF PANEL

Falcon Foam offers a molded roof panel solution for high volume requirements where the initial investment

in a mold tool can be offset by the savings reaped when compared to cutting and fabricating these same panels. The production cost per unit for molded panels is usually much less than traditionally manufactured roof sheets and fabricated parts. Another advantage is the predictable, repetitive quality of the product in terms of dimensional tolerances and physical properties.

3 Sun Room/Patio Enclosures

Falcon Foam EPS Insulation is an integral component of two of the most common and popular home improvement options available: patio enclosures and sunrooms.

When laminated between two substrates, such as aluminum, polymer or oriented strand board, Falcon Foam EPS provides superior performance in two critical areas: insulation and structural support. As an insulator, it helps the Sunroom Manufacturer meet local energy code requirements throughout the United States and Canada. As a structural core, Falcon Foam EPS is designed with strength in mind, meeting or exceeding the ASTM standard for flexural strength. Depending on location, sunroom and patio enclosure roofs are designed to withstand heavy snow loads and hurricane force winds as prescribed by local building codes. With decades of providing clients with surface critical, lamination grade EPS, Falcon Foam is the Manufacturer's choice!

4 Other Markets

Falcon Foam can bring its engineering and manufacturing experience and capability to bear on a wide variety of OEM challenges. Other products manufactured by Falcon Foam include spa cover cores, tonneau cover cores for pickup trucks and flotation insulation for watercraft and docks.

CUSTOM DESIGNED TO YOUR SPECIFICATIONS

Falcon Foam Insulation is the product of the most advanced CAD/CAM technology in the industry, including state-of-the-art computerized cutters. Our in-depth knowledge of commercial and residential door applications, together with our extensive production facilities, assure you of a precise, on-time insulation system.

RECYCLABLE - CONTAINS NO CFC'S OR HCFC'S

Neither Falcon Foam Insulation nor its manufacturing process emits CFC 's or HCFC 's into the atmosphere. What 's more, Falcon Foam Insulation may be recycled.



Features & Benefits

- Extremely light for minimal shipping weight
- Profile custom cut to your product/package design
- No expensive tooling or start-up costs
- Absorbs shocks, cushions impact
- Easy to handle
- Recyclable, contains no CFC's or HCFC's

GREEN ASPECTS OF EXPANDED POLYSTYRENE



Falcon Foam leads the industry in the development of environmentally friendly Expanded Polystyrene (EPS) insulation products. Expanded Polystyrene is made without ozone depleting chemicals like CFCs or HCFCs. Falcon Foam Expanded Polystyrene insulation is 100% recyclable. EPS production uses less than 0.1% of this country's petroleum. The raw material Falcon Foam uses to manufacture EPS insulation also incorporates recycled material.



Falcon Foam Typical Physical Properties

Properties	Units	ASTM Test	ASTM Designations						
			Type XI	Type I	Type VIII	Type II	Type IX	Type XIV	Type XV
ASTM Density	pcf (min)	C 303 or D 1622	0.70	0.90	1.15	1.35	1.80	2.40	2.85
Common Designation	pcf		0.75#	1#	1.25#	1.5#	2#	2.5#	3#
Thermal Resistance Values	at 75°F	C 177 or C 518	3.20	3.85	3.92	4.20	4.36	4.40	4.40
	at 40°F	C 177 or C 518	3.50	4.22	4.35	4.55	4.66	4.70	xxx
	at 25°F	C 177 or C 518	3.90	4.40	4.55	4.82	4.94	4.96	xxx
Compressive 10% Deformation	psi	D1621	8.0	12.0	16.5	20.0	28.0	45.0	60.0
Flexural Strength	psi	C203	18.0	29.0	35.0	42.0	55.0	75.0	95.0

*The physical properties listed above are presented as typical average values as determined by accepted ASTM test methods and are subject to normal manufacturing variation. This data is offered as a service to our customers and is subject to change. All information can be confirmed by contacting Falcon Foam's Technical Department.



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