



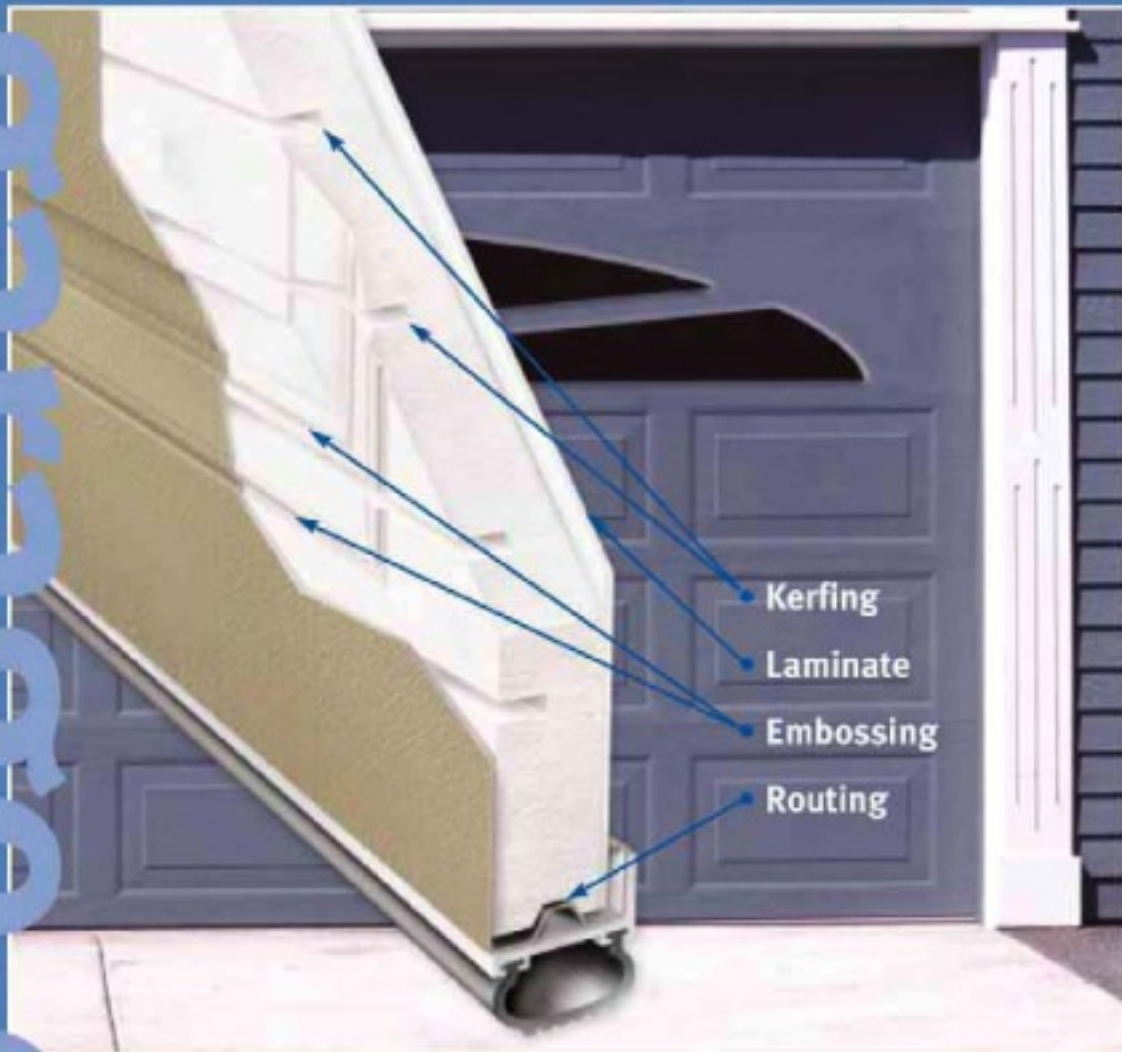
FALCON FOAM

A DIVISION OF ATLAS ROOFING CORPORATION

Garage Door Insulation

High Quality Expanded Polystyrene (EPS) Engineered for Residential and Commercial Garage Door Insulation

garage door



- **HIPS Lamination**
Falcon Foam® Insulation is available with your choice of matte or textured High Impact Styrene (HIPS) laminated to the exposed surface.
- **Kerfing**
Each panel can be kerfed for easier, faster installation. Kerf width and depth meet your specific requirements.
- **Multiple Ribbing**
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**
Raised door panel applications benefit from Falcon Foam Insulation embossed and custom cut profiles, creating a tighter tolerance fit for your lamination process.

That's Falcon Foam® Insulation – The Underlying Quality

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.

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 through EPS collection sites located throughout the country.

Falcon Foam Insulation Physical Properties (Specification Reference: ASTM-C578-01)

Property	Units	ASTM Test	Type XI	Type I	Type VIII	Type II	Type IX	NA
ASTM Designation								
ASTM Density Range	(pcf)	C303 or D1622	0.70-0.85	0.90-1.10	1.15-1.35	1.35-1.65	1.80-2.20	2.70-3.30
Common Designation	(pcf)		0.70	1.00	1.25	1.50	2.00	3.00
Thermal Resistance Values	at 25°F at 40°F at 75°F	C177 or C518	3.45 3.30 3.10	4.20 4.00 3.60	4.40 4.20 3.80	4.60 4.40 4.00	4.80 4.60 4.20	NA 4.70 4.30
Strength Properties								
Compressive resistance								
10% Deformation	(psi)	D1621	5.0	10.0	13.0	15.0	25.0	50.0
Flexural Strength	(psi)	C203	10.0	25.0	30.0	35.0	50.0	90.0
Tensile	(psi)	C1623	NA	16.0	17.0	18.0	23.0	NA
Moisture Resistance								
Water vapor permeance	(perm./in.)	E96	5.0	5.0	3.5	3.5	2.0	2.0
Water absorption	(volume %)	C272	4.0	4.0	3.0	3.0	2.0	1.0
Dimensional Stability								
Change in dimensions	(max. %)	D696	2.0	2.0	2.0	2.0	2.0	2.0
Maximum Service Temp.								
Long term								-----167°F for all densities-----
Intermittent								-----180°F for all densities-----
Flame Spread								
Up to 6" thickness		E84						-----Less than 25 for all densities-----
Smoke Development								
Up to 6" thickness		E84						-----Less than 450 for all densities-----
Oxygen Index	(volume %)	D2863						-----24.0 for all densities-----

Caution: Combustible. Falcon Foam Insulation will ignite if exposed to fire of sufficient heat and intensity. **Notice:** We shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. Our liability is expressly limited to replacement of defective goods.

Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was or reasonably should have been discovered.

Trademark: FALCON FOAM is a registered trademark of Atlas Roofing Corporation.



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