InsulFoam® 60

Description

InsulFoam 60 is a high-performance insulation consisting of a superior closed-cell, lightweight and resilient expanded polystyrene (EPS). InsulFoam 60 is manufactured in a plank mold and available from the Insulfoam Anchorage, AK facility. The plank mold process provides individually molded panels that typically need no further cutting or trimming. The plank mold process gives the finished product a hard, skin-like finish. InsulFoam 60 meets the compressive strength, flexural strength, dimensional stability and water absorption physical property requirements of ASTM C578, Type VII, *Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation*. In addition, InsulFoam 60 offers a long-term, stable R-Value, is an Energy Star® qualified insulation and qualifies for LEED points.

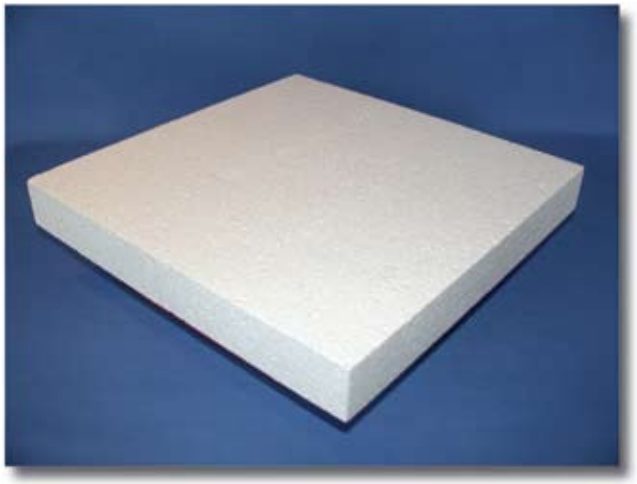
Uses

InsulFoam 60 insulation has been used successfully in Alaska for numerous commercial, industrial and residential applications. The following applications are a sample of the many InsulFoam 60 uses:

- Road & Highway Base
- Permafrost Protection
- Foundations
- Waterlines & Septic Systems
- Drill Pads & Mud Pits
- Freezer Slabs
- Railroad Base
- Under Slab
- Utilidors
- Plazas & Parking Structures
- Ice Rinks
- Cold Storage

Advantages

- *Proven Performance.* The same fundamental EPS chemistry has been in use since the mid-1950s, so the actual performance of the product is well known. In addition, InsulFoam 60 has been successfully used in Alaska for 25 years.
- *Stable R-Value.* Designers are well served knowing the product's thermal properties will remain stable over the entire service-life. There is no thermal drift so the product is eligible for an Insulfoam 20-year thermal performance warranty.
- *Environmentally Friendly.* InsulFoam 60 contains no formaldehyde or ozone-depleting CFCs or HCFCs and is 100% recyclable.
- *Water-Resistant.* InsulFoam 60 does not readily absorb moisture from the environment.
- *Locally Produced.* InsulFoam 60 is produced in Anchorage, AK, providing reduced lead times in comparison to competing products.



- *Wide Product Acceptance.* InsulFoam 60 has been accepted and used by numerous institutions and public companies. Some entities of note are: FHWA, Alaska DOT, US Army Corp of Engineers, Municipality of Anchorage, Fairbanks North Star Borough, Mat-Su Borough, ARCO, Phillips, Alyeska, AWWU, FAA, and GSA. InsulFoam 60 also meets the strength and water resistance properties of AASHTO M230 (Type VII). Please contact your local Insulfoam representative for details.

Sizes

InsulFoam 60 is available in 2' x 8' and 4' x 8' planks with standard thicknesses of 1" and 2". InsulFoam 60 is also available in other thicknesses with little to no impact on lead time.

Key Product Comparisons

Property	InsulFoam 60	Type VII XPS	Test Method
Compressive Strength (psi, 5% deformation)	60	60	ASTM D1621
Flexural Strength (psi)	120	75	ASTM C203
Water Absorption (% vol.)	0.1	0.3	ASTM C272
Water Vapor Transmission (perm.)	1.1	1.1	ASTM E96
Dimensional Stability (maximum %)	2%	2%	ASTM D2126

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R-Value Comparisons

R-Value	InsulFoam 60	Type VII XPS	Test Method
Warranted R-Values @ 20 years	4.9/inch 4.5/inch	Not Warranted Not Warranted	ASTM C518 @ 40 ˚F @ 75 ˚F
Warranted R-Values @ 15 years	4.9/inch 4.5/inch	4.9/inch 4.5/inch	ASTM C518 @ 40 ˚F @ 75 ˚F
Published R-Value (Thermal Resistance)	5.0/inch 4.9/inch 4.5/inch	5.6/inch 5.4/inch 5.0/inch	ASTM C518 @ 25 ˚F @ 40 ˚F @ 75 ˚F

Additional Comparisons

Product Features	InsulFoam 60	Type VII XPS
Stable R-Value	Yes	No
Free of CFC or HCFC	Yes	No
Made in Alaska	Yes	No
LEED Points for Transportation	Yes	No