

GreenGuard®
EXTRUDED POLYSTYRENE INSULATION BOARD
ASTM C578 TYPE IV (25 PSI)
DATA SHEET



TYPICAL PHYSICAL PROPERTIES

Property	ASTM	1 in.	1 1/2 in.	2 in.	2 1/2 in.	3 in.
Thermal Resistance R-value¹ (°F-ft ² -h/Btu @ 75°F Mean Temp.)	ASTM C 518	5.0	7.5	10.0	12.5	15.0
Thermal Conductivity K-value (Btu-in./hr•ft ² •°F @ 75°F Mean Temp.)	ASTM C 518	0.2	0.2	0.2	0.2	0.2
Compressive Strength (min., psi @ 10% Deflection)	ASTM D 1621	25	25	25	25	25
Water Absorption (max., % by Volume)	ASTM C 272	0.1	0.1	0.1	0.1	0.1
Water Vapor Permeance (perm, 75°F, 50%R.H.)	ASTM E 96 Desiccant Method	<1.0	<1.0	<1.0	<1.0	<1.0
Fire Characteristics² Flame Spread Smoke Developed	ASTM E 84/ UL 723	15 140	15 140	15 140	15 140	15 140
Density (min. pcf)	ASTM C 303	1.5	1.5	1.5	1.5	1.5
Product Type	ASTM C 578	1V	1V	1V	1V	1V

¹Specimens were aged and tested in accordance with FTC Rule (16 CFR, Part 460) and ASTM C 578.

²These numerical flame spread and smoke ratings are not intended to reflect hazards presented by this material under actual fire conditions.

These products should not be used as an exposed interior surface in buildings where people are expected to be present. An approved fire protection barrier, such as 1/2" gypsum wallboard or equivalent material must be used to separate foam plastic insulation from the interior of such buildings. Applicable fire and building codes must be followed.

Since foam sheathings are non-structural, they must be installed over adequately braced framing in accordance with local building codes.

All assemblies should be evaluated for effectiveness and location of vapor retarders to avoid condensation and subsequent damage to structures (see ASHRAE Handbook of Fundamentals).

WARNING: Foam plastic insulation will ignite if exposed to fire of sufficient heat and intensity. Protect foam insulation from exposure to open flame or other ignition sources during shipment, storage, and installation.



Pactiv's GreenGuard® Extruded Polystyrene Insulation Board is an ENERGY STAR qualified product as a part of EPA's Home Sealing effort.



GreenGuard® EXTRUDED POLYSTYRENE INSULATION BOARD ASTM C578 TYPE IV (25 PSI) FACT SHEET

Description: GreenGuard® is an extruded polystyrene insulation board.

<u>Products</u>	<u>Type</u>	<u>Thicknesses, in.</u>
GreenGuard®-CM	Square Edge	1, 1 1/2, 2, 2 1/2, 3
GreenGuard®-SL	Ship Lap Edge	1, 1 1/2, 2
GreenGuard®-SB	Scoreboard	1, 1 1/2, 2
GreenGuard®-SLX	Laminated, Ship Lap Edge	1

CHART

Product Thickness	1 in.			1 1/2 in.		2 in.		2 1/2 in.	3 in.	
R-value @ 75°F Mean Temp ¹	5.0			7.5		10.0		12.5	15.0	
Board Size, Ft.	2x8	4x8	4x9	2x8	4x8	2x8	4x8	4x8	2x8	4x8
Sq. Ft. Per Pallet	3072	3072	3456	2048	2048	1536	1536	1152	960	960

¹Values shown are from samples aged and tested in accordance with FTC Rule (16 CFR, Part 460) and ASTM C578.

Compliance: See ICC-ES Evaluation Report No. ESR-2912, CA BHF TB1334, MN Dept. of Energy Chapter 7640, Underwriters Laboratories, Inc. - See Classification Certificate A183.

READ THIS BEFORE YOU BUY!

What you should know about R-values.

The chart shows the R-value of this insulation. “R” means resistance to heat flow. The higher the R-value, the greater the insulating power. Compare insulation R-values before you buy.

There are other factors to consider. The amount of insulation you need depends mainly on the climate you live in. Also, your fuel savings from insulation will depend upon the climate, the type and size of your house, the amount of insulation already in your house, and your fuel use patterns and family size. If you buy too much insulation, it will cost you more than what you’ll save on fuel.

To get the marked R-value, it is essential that this insulation be installed properly. If you do it yourself, get instructions. Instructions do not come with this package.

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For the most current product and code compliance information, go to green-guard.com.



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