

GreenGuard® EXTRUDED POLYSTYRENE INSULATIVE SHEATHING* DATA SHEET



TYPICAL PHYSICAL PROPERTIES

Property	ASTM	1/2” ³	3/4” ³
Thermal Resistance R-Value¹ (°F-ft ² -h/Btu @ 75°F Mean Temp.)	ASTM C 518	3.0	3.8
Thermal Conductivity K-Value (Btu-in./hr•ft ² •°F @ 75°F Mean Temp.)	ASTM C 518	0.2	0.2
Compressive Strength (min., psi @ 10% Deflection)	ASTM D 1621	15	15
Water Absorption (max., % by Volume)	ASTM C 272	0.3	0.3
Water Vapor Permeance (perm max., 75°F, 50%R.H.)	ASTM E 96 Procedure A	<1.0	<1.0
Fire Characteristics² Flame Spread Smoke Developed	ASTM E 84/ UL 723	15 140	15 140
Density (min. pcf)	ASTM C 303	1.6	1.6

* Also available with film facers.

For the most current Product Information go to www.green-guard.com.

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

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

³Nominal thickness.

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. Fire and building codes should 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).

Storage and Handling: When stored outdoors, all material should be protected from exposure to direct sunlight using an opaque, light-colored lamp or the original packaging. Material that has been unwrapped should be carefully rewrapped.

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Pactiv’s GreenGuard® Extruded Polystyrene Insulative Sheathing is an ENERGY STAR qualified product as a part of EPA’s Home Sealing effort.

DSFS-INS-SHT
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GreenGuard® EXTRUDED POLYSTYRENE INSULATIVE SHEATHING FACT SHEET

Description: GreenGuard® is an extruded polystyrene insulative sheathing.

<u>Products</u>	<u>Type</u>	<u>Thicknesses*</u>
GreenGuard®-CM	Square Edge	1/2", 3/4"
GreenGuard®-SL	Ship Lap Edge	1/2", 3/4"
GreenGuard®-SLX	Laminated, Ship Lap Edge	1/2", 3/4"

*Nominal Thickness

CHART

Product Thickness (nominal)	1/2"			3/4"		
R-Value @ 75°F Mean Temp ¹	3.0			3.8		
Board Size, Ft.	2x8	4x8	4x9	2x8	4x8	4x9
Sq. Ft. Per Bundle	320	640	720	288	448	504
Sq. Ft. Per Pallet	5120	5120	5760	4032	4032	4536

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

For the most current Product Information go to www.green-guard.com.

Compliance: For the most current compliance information go to www.green-guard.com. Meets the flame spread and smoke developed requirements of the International Building and Residential Codes, 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.

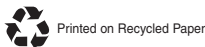
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Since foam sheathings are non-structural, they must be installed over adequately braced framing in accordance with local building codes.

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).

Storage and Handling: When stored outdoors, all material should be protected from exposure to direct sunlight using an opaque, light-colored lamp or the original packaging. Material that has been unwrapped should be carefully rewrapped.

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.



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