

# GreenGuard® PLYGOOD® ULTRA WIND-RESISTANT INSULATIVE SHEATHING DATA SHEET



**Description:** GreenGuard® PLYGOOD® ULTRA is a reinforced extruded polystyrene insulative sheathing that has been engineered to withstand wind loads of up to 110 mph. It consists of an extruded polystyrene foam core sandwiched between a plastic film facer and a polyolefin reinforcing scrim. GreenGuard® PLYGOOD® ULTRA is available in thicknesses of 3/8” and 7/16” in sizes of 4’ x 8’ (PGU38/PGU48) and 4’ x 9’ (PGU39/PGU49).

## TYPICAL PHYSICAL PROPERTIES

<u>Property</u>	<u>Test Method</u>	<u>PGU38/PGU39</u>	<u>PGU48/PGU49</u>
<b>R-Value<sup>1</sup></b> (°F•ft <sup>2</sup> •h/Btu)	ASTM C 518	1.5	1.8
<b>Ultimate Load<sup>2</sup></b> (psf, non-corner/corner)			
Wind Zone I		No Load Requirements	No Load Requirements
Wind Zone II (95, 120)		135/150	135/150
Wind Zone III (115, 145)		135/150	135/150
<b>Water Vapor Transmission Rate</b> (perm)	ASTM E 96 (Procedure A)	>1.0	>1.0
<b>Water Absorption</b> (max. % by Volume)	ASTM C 272	2.0	2.0
<b>Compressive Strength</b> (psi @ 10% Deflection)	ASTM D 1621	12	15
<b>Fire Characteristics<sup>3</sup></b>	ASTM E 84/UL 723		
Flame Spread		10	15
Smoke Developed		45-140	45-140
<b>Weight</b> (lbs./1000 ft <sup>2</sup> )		93	123
<b>Maximum Recommended Use Temperature</b> (°F)		165	165

**For the most current Product Information go to [www.green-guard.com](http://www.green-guard.com).**

<sup>1</sup> Specimens are aged and tested in accordance with the FTC “R-Value Rule” (16 CFR, Part 460).

<sup>2</sup> Guide to the HUD Manufactured Home Standards Program. Results are based on tests conducted on walls with specific design criteria. Contact Pactiv Building Products for more information. Design Wind loads are calculated as follows: (Average Ultimate Load/Safety Factor, 2.5) = Allowable Design Load, psf.

<sup>3</sup> These numerical flame spread and smoke ratings are not intended to reflect hazards presented by this material under actual fire conditions. (Core only data)

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 tarp 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 ignition sources during shipment, storage, and installation.

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Pactiv’s GreenGuard® PLYGOOD® Ultra Wind-Resistant Insulative Sheathing is an ENERGY STAR qualified product as a part of EPA’s Home Sealing effort.

DSFS-PGULTRA  
12/05



# GreenGuard® PLYGOOD® ULTRA WIND-RESISTANT INSULATIVE SHEATHING FACT SHEET

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**Packaging Information:**

Property/Dimension	GreenGuard® PLYGOOD® ULTRA			
	PGU38	PGU39	PGU48	PGU49
R-Value (@ 75°F mean temperature)	1.5	1.5	1.8	1.8
Thickness (nominal)	3/8”	3/8”	7/16”	7/16”
Width	48”	48”	48”	48”
Length	96”	108”	96”	108”
Sheets/Bundle	12	12	12	12
Square Feet/Bundle	384	432	384	432
Bundles/Pallet	20	20	18	18
Square Feet/Pallet	7,680	8,640	6,912	7,776

**Compliance:** GreenGuard® PLYGOOD® ULTRA complies with all relevant building codes.

**For the most current product and code compliance information, go to [green-guard.com](http://green-guard.com).**

**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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