

# GreenGuard® FANFOLD SIDING UNDERLAYMENTS DATA SHEET



**Description** GreenGuard®-P1450/FP1450 (1/4”), GreenGuard®-XP14/XFP14 (1/4”), and GreenGuard®-XP38/XFP38 (3/8”) are green-colored extruded polystyrene foam sandwiched between two perforated plastic capsheets. GreenGuard®-FP1450/XFP14 and GreenGuard®-FP38/XFP38 have a reflective aluminized plastic capsheet on one side.

GreenGuard®-NP14 (1/4”) and NP38 (3/8”) are green, permeable, multi-layered extruded polystyrene foam products.

**Dimensions:** All GreenGuard® Fanfold Siding Underlayments are available in 4’ x 50’ (two-square) sheets.

## TYPICAL PHYSICAL PROPERTIES

Property	Test Method	P1450		FP1450		NP38	XP38	XFP38
		NP14	XP14	XFP14				
R-Value (°F•ft <sup>2</sup> •h/Btu) <sup>1</sup>	ASTM C 518 @ 75°F Mean	1.0	1.0	3.0	1.5	1.5	1.5	3.6
Water Vapor Permanence (perm)	ASTM E 96 Procedure A	1.7	1.7	1.7	1.3	1.3	1.3	1.3
Water Absorption (Max. % by Volume)	ASTM C 272	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Compressive Strength (psi @ 10% deflection)	ASTM D 1621	7	12	12	9	14	14	14
Fire Characteristics <sup>2</sup>	ASTM							
Flame Spread	E 84/UL 723	25	25	25	10	10	10	10
Smoke Developed		250	250	250	45-140	45-140	45-140	45-140

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

<sup>1</sup> Specimens were aged and tested in accordance with FTC Rule (16 CFR, Part 460). The R-values shown for GreenGuard®-FP1450, GreenGuard®-XFP14, GreenGuard®-FP38, and GreenGuard®-XFP38 are system R-values calculated in accordance with the “ASHRAE Handbook of Fundamentals” using a 1/2” uniform, parallel dead air space. The R-values of these products installed without the benefit of a dead air space are 1.0 (GreenGuard®-FP1450 and GreenGuard®-XFP14) and 1.5 (GreenGuard®-FP38 and GreenGuard®-XFP38).

<sup>2</sup> These numerical flame spread and smoke ratings are not intended to reflect hazards presented by these materials under actual fire conditions (core data).

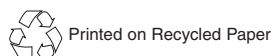
These products should not be used as an exposed interior surface in buildings where people are expected to be present. An approved fire protection barrier, such as 1/2” gypsum wallboard or equivalent material must be used to separate foam plastic insulation from the interior of such buildings. Applicable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

**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.



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# GreenGuard® FANFOLD SIDING UNDERLAYMENTS FACT SHEET

## CHART

	GreenGuard®- NP14/P1450/XP14	GreenGuard®- FP1450/XFP14	GreenGuard®- NP38/XP38	GreenGuard®- XFP38
R-Value @ 75°F <sup>1</sup>	1.0	3.0	1.5	3.6
Length <sup>2</sup>	50'	50'	50'	50'
Width <sup>2</sup>	4'	4'	4'	4'
Nominal Thickness	1/4"	1/4"	3/8"	3/8"
Square Feet/Pallet	9,000	9,000	6,000	6,000

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<sup>2</sup> These dimensions apply to each fanfolded bundle.

Compliance: See CCMC 12764-R  
See ICC-ES Evaluation Report ESR-2136  
Underwriters Laboratories, Inc. - See Classification Certificate A184



Pactiv's GreenGuard Fanfold Siding Underlayments are ENERGY STAR Qualified product as a part of EPA's Home Sealing Effort.

### 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 System 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).

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