

# WeatherBond Polyiso

## 2014 Polyiso Insulation LTTR R-values

\*\*Long-Term Thermal Resistance Values are based on ASTM C1289-11A effective January 1, 2014, predicting product R-value after five years, which is equivalent to a time-weighted thermal design R-value for 15 years.



### XP

XP is a rigid-roof insulation panel composed of a closed-cell polyisocyanurate foam core bonded on each side to fiber-reinforced paper facers.

- Size: 4' x 4' and 4' x 8'
- Thickness: 1" to 4.5"

### XP Polyiso Thermal Values

Thickness (inches)	Thickness (mm)	LTTR R-value**	Flute Spanability
1.00	25	5.6	2 <sup>5</sup> / <sub>8</sub> "
1.50	38	8.6	4 <sup>3</sup> / <sub>8</sub> "
1.75	44	10.0	4 <sup>3</sup> / <sub>8</sub> "
1.80	46	10.2	4 <sup>3</sup> / <sub>8</sub> "
2.00	51	11.4	4 <sup>3</sup> / <sub>8</sub> "
2.50	64	14.4	4 <sup>3</sup> / <sub>8</sub> "
2.60	66	15.0	4 <sup>3</sup> / <sub>8</sub> "
3.00	76	17.4	4 <sup>3</sup> / <sub>8</sub> "
3.50	89	20.5	4 <sup>3</sup> / <sub>8</sub> "
3.80	97	22.3	4 <sup>3</sup> / <sub>8</sub> "
4.00	102	23.6	4 <sup>3</sup> / <sub>8</sub> "
4.30	109	25.5	4 <sup>3</sup> / <sub>8</sub> "
4.50	114	26.8	4 <sup>3</sup> / <sub>8</sub> "

\*\*Long-Term Thermal Resistance Values are based on ASTM C1289-11A effective January 1, 2014, predicting product R-value after five years, which is equivalent to a time-weighted thermal design R-value for 15 years.



### XP-NB

XP-NB is a rigid-roof insulation composite panel composed of a closed-cell polyisocyanurate foam core bonded during the manufacturing process to a fiber-reinforced paper facer on one side and either 7/16" or 5/8" oriented strand board (OSB) on the other.

- Size: 4' x 8'
- Thickness: 1.5" to 4.5"

### XP-NB Polyiso Thermal Values

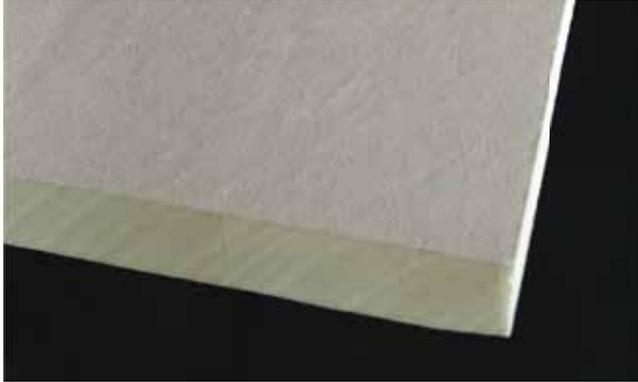
Thickness <sup>†</sup> (inches)	Thickness <sup>†</sup> (mm)	LTTR R-value**	Flute Spanability
1.50	38	6.3	4 <sup>3</sup> / <sub>8</sub> "
2.00	51	9.2	4 <sup>3</sup> / <sub>8</sub> "
2.50	64	12.0	4 <sup>3</sup> / <sub>8</sub> "
3.00	76	15.0	4 <sup>3</sup> / <sub>8</sub> "
3.50	86	18.0	4 <sup>3</sup> / <sub>8</sub> "
3.90	96	20.5	4 <sup>3</sup> / <sub>8</sub> "
4.00	102	21.1	4 <sup>3</sup> / <sub>8</sub> "
4.50	115	24.2	4 <sup>3</sup> / <sub>8</sub> "

<sup>†</sup> Thickness is calculated with 7/16" OSB.



**WEATHERBOND**  
ROOFING SYSTEMS

Single-Ply Simplified



## XFP

XFP Polyiso is a rigid roof insulation panel composed of a closed-cell polyisocyanurate foam core bonded during the manufacturing process to premium performance coated glass facers.

- Sizes: 4' x 4' and 4' x 8'
- Thickness: 1" to 4.5"

### XFP Polyiso Thermal Values

Thickness (inches)	Thickness (mm)	LTTR R-value**	Flute Spanability
1.00	25	5.6	2 <sup>3</sup> / <sub>8</sub> "
1.50	38	8.6	4 <sup>3</sup> / <sub>8</sub> "
1.75	44	10.0	4 <sup>3</sup> / <sub>8</sub> "
1.80	46	10.2	4 <sup>3</sup> / <sub>8</sub> "
2.00	51	11.4	4 <sup>3</sup> / <sub>8</sub> "
2.20	56	12.6	4 <sup>3</sup> / <sub>8</sub> "
2.50	64	14.4	4 <sup>3</sup> / <sub>8</sub> "
2.60	66	15.0	4 <sup>3</sup> / <sub>8</sub> "
3.00	76	17.4	4 <sup>3</sup> / <sub>8</sub> "
3.50	89	20.5	4 <sup>3</sup> / <sub>8</sub> "
3.80	97	22.3	4 <sup>3</sup> / <sub>8</sub> "
4.00	102	23.6	4 <sup>3</sup> / <sub>8</sub> "
4.30	109	25.5	4 <sup>3</sup> / <sub>8</sub> "
4.50	114	26.8	4 <sup>3</sup> / <sub>8</sub> "

\*\*Long-Term Thermal Resistance Values are based on ASTM C1289-11A effective January 1, 2014, predicting product R-value after five years, which is equivalent to a time-weighted thermal design R-value for 15 years.



## XFP CD

XFP CD is a rigid roof insulation panel composed of a closed-cell polyisocyanurate foam core manufactured on-line to an enhanced coated glass facer on each surface side to achieve greater fire resistance over wood decks.

- Size: 4' x 8'
- Thickness: 1"

### XFP CD Polyiso Thermal Values

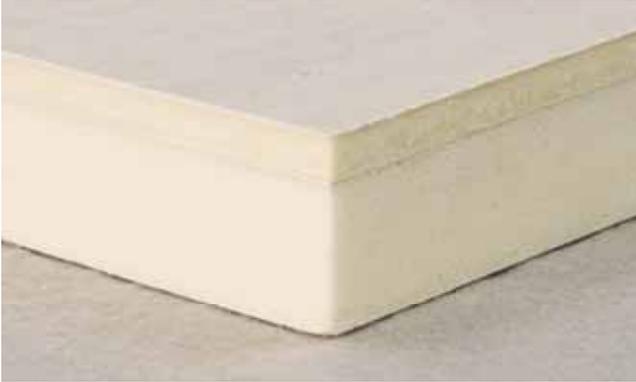
Thickness (inches)	Thickness (mm)	LTTR R-value**	Flute Spanability
1.00	25.4	5.7	2 <sup>3</sup> / <sub>8</sub> "

\*\*Long-Term Thermal Resistance Values are based on ASTM C1289-11A effective January 1, 2014, predicting product R-value after five years, which is equivalent to a time-weighted thermal design R-value for 15 years.



**WEATHERBOND**  
ROOFING SYSTEMS

Single-Ply Simplified



### XFP HD Composite

XFP HD Composite is a unique composite insulation panel comprised of 0.5" high-density polyisocyanurate cover board manufactured on-line with SecurShield rigid polyisocyanurate roof insulation to provide greater dimensional stability and increased resistance to damage.

- Size: 4' x 4' and 4' x 8'
- Thickness: 2" to 4.5"

### XFP HD Composite Thermal Values

Thickness (inches)	Thickness (mm)	LTTR R-value**	Flute Spanability
2.00	51	11.1	4 <sup>3</sup> / <sub>8</sub> "
2.25	57	12.5	4 <sup>3</sup> / <sub>8</sub> "
2.50	64	13.9	4 <sup>3</sup> / <sub>8</sub> "
3.00	76	16.9	4 <sup>3</sup> / <sub>8</sub> "
3.25	83	18.4	4 <sup>3</sup> / <sub>8</sub> "
3.50	89	19.9	4 <sup>3</sup> / <sub>8</sub> "
4.00	102	23.0	4 <sup>3</sup> / <sub>8</sub> "
4.25	108	24.5	4 <sup>3</sup> / <sub>8</sub> "
4.50	114	26.1	4 <sup>3</sup> / <sub>8</sub> "

XFP HD Composite R-value is calculated by adding together the R-values of XFP HD and XFP.

\*\*Long-Term Thermal Resistance Values are based on ASTM C1289-11A effective January 1, 2014, predicting product R-value after five years, which is equivalent to a time-weighted thermal design R-value for 15 years.



**WEATHERBOND**  
ROOFING SYSTEMS

Single-Ply Simplified

P.O. Box 251 | Plainfield, PA 17081 | 866.471.5125 | FAX: 717.960.4034 | [www.weatherbondroofing.com](http://www.weatherbondroofing.com)

© 2017 WeatherBond. 09.06.17  
WeatherBond is a trademark of WeatherBond.