



# SOLEX

## REFLECTIVE INSULATION & VAPOR BARRIER



Clean Appearance

Flexible Rolls

### APPLICATIONS

- Post Frame
- Metal Frame
- Metal Roofs
- Agricultural
- Residential
- Retrofit
- Light-gauge steel
- Workshops
- House Wrap
- Attics

### FACING OPTIONS

- White Poly
- White Woven
- Reflective
- Foil
- Perforated

### ROLL SIZES

#### Sorex

- 4' x 125' (500 sqft)
- 24" x 125' (2 rolls / 500 sqft)
- 16" x 125' (3 rolls / 500 sqft)
- 12" x 125' (4 rolls / 500 sqft)

#### SorexLT

- 4' x 250' (1000 sqft)
- 24" x 250' (2 rolls / 1000 sqft)
- 16" x 250' (3 rolls / 1000 sqft)
- 12" x 250' (4 rolls / 1000 sqft)
- Custom Widths and Lengths

### PRODUCT DESCRIPTION

NOFP SOLEX Reflective Insulation is engineered to increase energy efficiency, provide a clean finished appearance, and simplify installation for all residential, post frame, light-gauge steel, and commercial insulation applications.

The core of the product is made of a solid layer of flexible foam designed especially for NOFP that provides excellent insulation characteristics in a moisture proof design. The core of SorexLT is 1/8" thick while Sorex comes standard at 1/4" providing additional insulation value and durability. In addition, the multiple facing combinations are thermally bonded in a unique process that provides a long-term quality finish to every Sorex roll.

### FEATURES & BENEFITS

- Reflects up to 97% of radiant energy
- Non-toxic lightweight rolls
- Durable construction and long-lasting toughness
- Excellent vapor barrier
- Multiple facing combinations
- Easy installation with utility knife and tape
- Bird and insect resistant
- Increases system thermal performance
- Use in retrofit or new construction

### PRODUCT USE

Sorex Products can be used for new construction as well as retrofit in a variety of applications, such as post frame, horse, dairy or livestock buildings as well as for finished walls, building insulation, condensation control, and as a thermal break and vapor barrier. Sorex and SorexLT can be perforated for applications where a vapor barrier is not needed such as behind siding or in an attic.



800.339.4850 [www.NOFP.com](http://www.NOFP.com)

## PRODUCT SPECIFICATIONS

### Core

- Solex: ¼" moisture-proof polyethylene (R-Value = 0.92 core only)
- SolexLT: ⅛" moisture-proof polyethylene (R-Value = 0.45 core only)

### Face

- White Poly                      -Foil
- White Woven                    -Reflective

### System Thermal R-Values (ft<sup>2</sup> · h · °F/Btu)

#### Solex

Downwards (7/16" OSB / 2.75" Airspace / Solex / 2.75" Airspace / ½" Gypsum).....	13.4
Upwards (7/16" OSB / 2.75" Airspace / Solex / 2.75" Airspace / ½" Gypsum).....	8.0
Horizontal (Vinyl siding / 1" Airspace / Solex / 7/16" OSB).....	5.8
Horizontal (Vinyl siding / 2.75" Airspace / Solex / 2.75" Airspace / ½" Gypsum).....	9.5

#### SolexLT

Downwards (7/16" OSB / 2.75" Airspace / SolexLT / 2.75" Airspace / ½" Gypsum).....	13.1
Upwards (7/16" OSB / 2.75" Airspace / SolexLT / 2.75" Airspace / ½" Gypsum).....	7.5
Horizontal (Vinyl siding / 1" Airspace / SolexLT / 7/16" OSB).....	5.4
Horizontal (Vinyl siding / 2.75" Airspace / SolexLT / 2.75" Airspace / ½" Gypsum).....	9.1

### Surface Reflectivity

- Foil up to 97%
- White N/A
- Reflective up to 94%

### Flame Spread / Smoke Spread – ASTM E84

- White Poly or White Woven Exposed                      0/15
- Reflective Exposed    0/10
- Foil Exposed<sup>1</sup>    N/A

### Usable Temperature

200° F / 93° C

Warning: Solex products have been ASTM E84 tested. It is not recommended that Solex be exposed to possible ignition sources or open flame during shipping, storage or installation. Caution: Aluminum foil conducts electricity. Care should be taken around electrical sources and overhead power lines.

System R-Values are calculated for enclosed air-to-air spaces for the specific applications and orientations as described. The R-Value of reflective insulation is application and orientation specific. Please contact your NOFP representative for a complete table of System R-Values based on different installation methods.

**Read This Before You Buy:** 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 where you live. Also, your fuel savings from insulation will depend on climate, the type and size of your structure, the amount of insulation already in your structure, and your fuel use patterns and occupancy. If you buy too much insulation, it will cost you more than you'll save on fuel. To get the marked R-value, it is essential that this insulation be installed properly. <sup>1</sup> Foil facings should be covered by a thermal barrier, please check local building requirements.



Tape Edge



New Construction



Post Frame



Easy to use rolls



Northwestern Ohio Foam Products, Inc.  
 725 Enterprise Avenue • Wauseon, OH 43567  
 800-339-4850 • 419-335-4850 • Fax: 419-335-2380  
 www.NOFP.com • www.TheBarrier.com

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