NORANDEX™
EXTERIOR PRODUCTS FOR YOUR HOME

NORANDEX 1/2” EXTRUDED POLYSTYRENE FOAM INSULATION

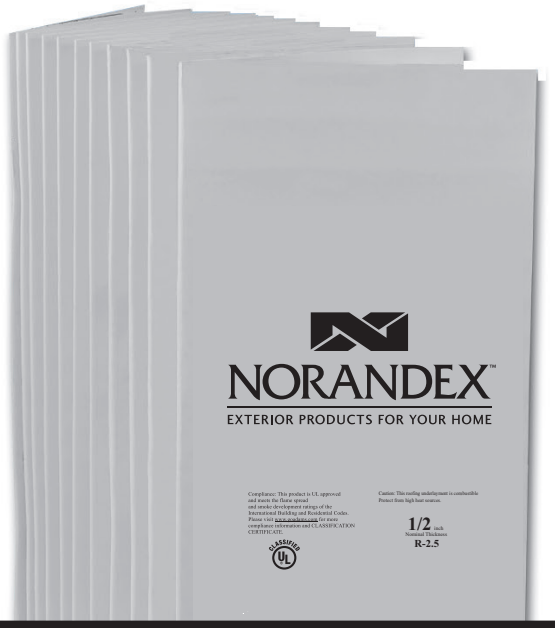
NORANDEX 1/2” Extruded Polystyrene Foam Insulation provides the moisture resistance and air barrier advantages of thicker insulations, at a more affordable price. When the insulation value of a thicker product is not required, NORANDEX 1/2” insulation is an excellent choice for use with vinyl, steel or aluminum siding.

NORANDEX 1/2” Extruded Polystyrene Foam Insulation is a specially formulated 1/2” extruded polystyrene board sealed between select facing materials, and produced in continuous 24’ by 4’ fanfold sections. Available with a durable film, NORANDEX 1/2” insulation can meet high-performance requirements in residential structures, and is appropriate for:

- Residing applications
- New frame wall construction behind siding

Perfect for Residing

When residing a home, the old siding must be covered with an “underlayment,” ensuring a solid, level surface to back up new siding materials. Using NORANDEX 1/2” Extruded Polystyrene Foam Insulation can help boost your home’s insulation efficiency as well as enhance the appearance of your new siding.



Typical Physical Properties of NORANDEX 1/2” EXTRUDED POLYSTYRENE FOAM INSULATION

Property and Test Method	Value
Thermal Resistance @ 1/2", ASTM C518 @ 75°F mean temp., ft2•h•°F/Btu, R-value(1), min.	R 2.5
Minimum Compressive Strength (5)	31.5
Density, ASTM D1622 Fresh, foam core only, min. Fresh, foam core, max.	 2.2 2.7
Flame Spread(2)(3), ASTM E84	0#
Smoke Developed(4), ASTM E84	10#

(1) R means resistance to heat flow. The higher the R-value, the greater the insulating power.
(2) This numerical flame spread rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.
(3) Installed in a thickness, or stored in an effective thickness, as indicated, for a density of 2.5 pcf.
(4) Flame spread and smoke developed recorded while material remained in original test position. Ignition of molten residue on the furnace floor resulted in flame travel equivalent to calculated flame spread classification of 10 and smoke developed classification of 450 to over 500.
(5) Compressive strength is measured at 10 percent deformation or at yield, whichever occurs first.

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Whether Residing or Building New NORANDEX 1/2" GETS THE JOB DONE RIGHT

Ideal for New Construction

NORANDEX 1/2" Extruded Polystyrene Foam Insulation offers superior performance in new residential construction. It provides an economical alternative to other sheathing products that can absorb water or degrade.

Benefits

Homes built with NORANDEX 1/2" Extruded Polystyrene Foam Insulation offer homeowners increased energy efficiency, while the product's ease of use and low cost help builders work better and more profitably.

Energy Savings

The superior characteristics of NORANDEX 1/2" Extruded Polystyrene Foam Insulation (air infiltration, insulation performance, vapor permeability and moisture resistance) help homes stay warmer in winter and cooler in summer, free from air leaks that can cause up to 40 percent of normal heat loss or gain.

Ease of Installation

NORANDEX 1/2" Extruded Polystyrene Foam Insulation is lightweight and easy to cut and install. NORANDEX 1/2" represents the equivalent of three 4' x 8' sheets.

May be used as alternative waterresistive barrier as prescibed in Section 1404.2 of the IBC, Section 703.2 of the IRC, and Section 1402.1 UBC, when installed on exterior walls as described in this section.

Built Green

Norandex supports initiatives that help preserve our environment, and we strive for environmental sensitivity in our manufacturing processes and in our products. Norandex insulating foams:

- contain no VOCs*
- are formaldehyde-free
- are not a known food source for mold or insects
- are recyclable (extruded polystyrene)

NORANDEX™
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