



DATA SHEET LEGERFOIL



DESCRIPTION

Legerfoil

Type I rabbeted insulation panel with integrated reflective vapor barrier for indoor walls and foundations.

PRODUCT DATA

Dimensions

- > 4' x 8' x 2" (rabbeted) R-11*
 - > 4' x 8' x 3" (rabbeted) R-18*
- * When used with furring to create air space.
See assemblies 1,2 or 3 tested by the Air-ins laboratories.

ADDITIONAL INFORMATION

- > Conforms to CAN/ULC-S701 standards
- > Permanent R-value
- > High compressive strength
- > Recyclable
- > No CFCs or HCFCs
- > Various sizes available

LEGERCLAD TECHNICAL DATA

This product provides the protection of a humidity vapor barrier, plus the addition of reflectivity to the R-value of type I EPS insulation

LEGERLITE TYPE I EPS (CCMC 12984-L)

EPS LAMINATED WITH A PAPER/EPS/ALUMINUM BARRIER

PAPER/EPS/ALUMINUM BARRIER

Description

Composed of 1/3 mm-thick aluminum, laminated to 30 lb Kraft paper using a special heat-applied adhesive.

Physical properties

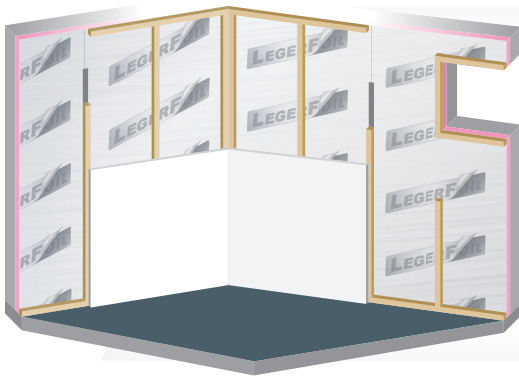
- > Thermal performance not affected by humidity
- > Improves existing insulation R-value
- > Basic weight (approx. 19 lb per thousand ft²) 93 g/m²
- > Tensile strength M.D. approx. 35 lb/in
- > Water vapor permeance (ASTM B test) 1.7 ng/Pa.s.m² after aging
- > Reflectivity 95%
- > Flexibility at -10% → excellent
- > PAPER/EPS/ALUMINUM BARRIER meets CAN2-51-33M80 standard, classification Type I

INSTALLATION GUIDE

- > Temporarily attach panels vertically to foundation walls using nails or concrete screws and grommets. Be careful not to perforate the aluminum foil with the mechanical fasteners to retain the integrity of the vapor barrier.
- > Place panels level with each other and without gaps, the reflective surface towards the inside.
- > Ensure that all spaces are closed off around edges.
- > Ensure that air space measures between 1/2 in and 3/4 in.
- > Seal all joints with vapor-barrier tape to ensure water vapor resistance.
- > Using a product which is resistant to water vapor, also seal the joints where the panels meet other surfaces made of different materials, such as the edge of the floor and openings such as doors and windows.
- > Attach furring vertically at 16 in or 24 in intervals.
- > Cover with gypsum or any other fire-retardant material.

DATA SHEET LEGERFOIL (CON'T)

Wall assemblies tested and accepted as part of projects that comply with the National Building Code and can qualify as Novoclimat 2.0 buildings.



Assembly 1

- > Covered with sealant
- > 8" concrete walls
- > 3" Legerfoil with low emissivity vapour barrier
- > Vertical forence 1" x 3" to 24" c/c
- > 1/2 inch drywall

THERMAL
BRIDGE COVERAGE
> R4.0

R MIN EFF
R18.07

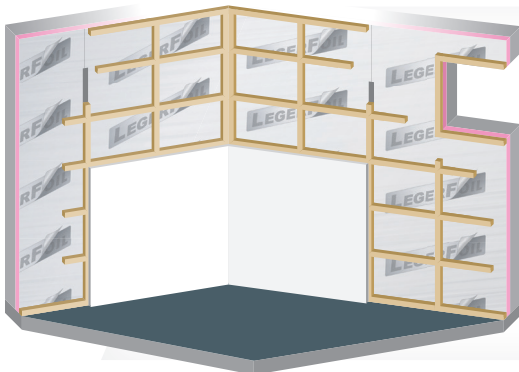


Assembly 2

- > Covered with sealant
- > 8" concrete walls
- > 3" Legerfoil with low emissivity vapour barrier
- > Vertical forence 2" x 3" to 24" c/c
- > 1/2 inch drywall

THERMAL
BRIDGE COVERAGE
> R4.0

R MIN EFF
R18.92



Assembly 3

- > Covered with sealant
- > 8" concrete walls
- > 3" Legerfoil with low emissivity vapour barrier
- > Vertical forence 1" x 3" à 24" c/c
- > Horizontal forence 1" x 3" à 24" c/c
- > 1/2 inch drywall

THERMAL
BRIDGE COVERAGE
> R4.0

R MIN EFF
R18.84