

LIGHTWEIGHT WALLS

HYBRID REFLECTIVE INSULATION WITH ENCAPSULATED FIBERGLASS CORE

Thermal and acoustic reflective insulation with fiberglass core in the form of rolls, covered with a low emissivity surface that acts as a radiant barrier, vapor barrier, moisture control, and provides excellent mechanical strength.

Hybrid insulation is designed for use within attics and lightweight building systems. The vapor barrier helps control the amount of moisture that passes through the insulated wall from the interior to the exterior.

It can be applied to interior walls and crawl spaces, effectively reducing heat flow to increase energy savings by lowering the air conditioning load in heated areas.





R value: **R12**
*Air chamber: **1.5"**

HYBRID INSULATION LIGHTEIGHT WALLS (REINFORCED ALUMINUM FACE + POLYETHYLENE FOAM + FIBERGLASS + POLYETHYLENE FOAM + REINFORCED ALUMINUM FACE)		
DIMENSIONS AND TOLERANCES OF THE STANDARD PRODUCT		
THICKNESS: 2"		
CODE	LENGTH	WIDTH
HDS216	8'0" ± 4"	16" ± 1"
HDS224	8'0" ± 4"	24" ± 1"
HDM216	10'0" ± 4"	16" ± 1"
HDM224	10'0" ± 4"	24" ± 1"
TECHNICAL CHARACTERISTICS OF THE PRODUCT		
CHARACTERISTICS	VALUE	STANDARD
WATER VAPOR PERMEABILITY	0.23 PERMS (GR/FT ² *H*IN.HG)	ASTM E-96
EMITTANCE	0.072	ASTM C-1371
FLAME INDEX	15	ASTM E-84
SMOKE DEVELOPMENT	45	ASTM E-84
FUNGI RESISTANCE	PASS	ASTM C-1338
PLIABILITY	NO CRACKING / NO DELAMINATION	ASTM C-1224
DELAMINATION AND ADHESIVE PERFORMANCE	NO BLEEDING / NO DELAMINATION	ASTM C-1224
TEMPERATURE AND HUMIDITY RESISTANCE	NO CORROSION / NO DELAMINATION	ASTM C-1258
STC	45	ASTM E-90
OITC	30	ASTM E-90

DISCLAIMER: The STC 47 rating is achieved only when the system includes PRODEX Acoustic Band with the reflective insulation; otherwise, the rating is STC 45.