

# PRODEX®

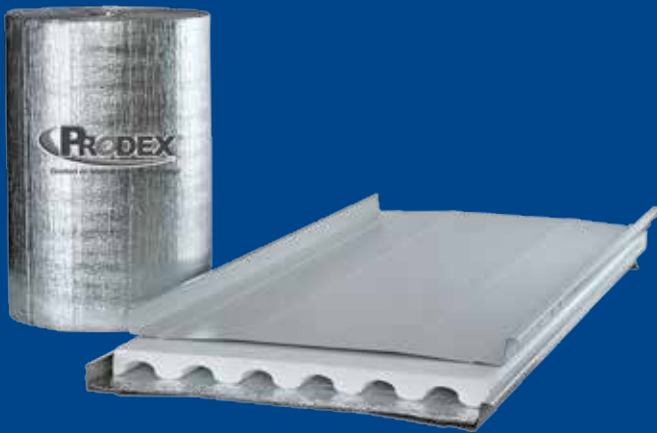
**ALUBLOCK**

THE FIRST SMART ROOF

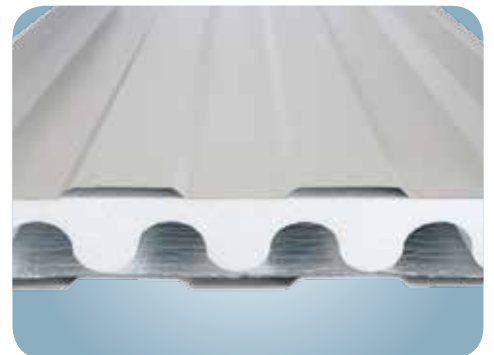
## Prodex **ALUBLOCK**

Alublock in an innovative core that combines the properties of expanded polystyrene (EPS) using PRODEX REFLECTIVE INSULATION world-class technology and offering the highest thermal performance

in composite tray-type roofs that use a double metal sheet with cloistered thermal insulation between them.



D3 INSULATION (ALUMINUM FOIL + POLYETHYLENE FOAM + ALUMINUM FOIL + ADHESIVE TAPE)		
DIMENSIONS AND TOLERANCES OF THE STANDARD PRODUCT		
THICKNESS: 0.11± 0.008 (in)	LENGTH: 65.6 ft ± 4"	WIDTH: 11.8"; 17.7", 19.6" ± 0.4"
TECHNICAL CHARACTERISTICS OF THE PRODUCT		
CHARACTERISTICS	VALUE	STANDARD
FOAM CELL STRUCTURE	CLOSED	
AVERAGE WEIGHT OF ft <sup>2</sup>	0.04178 lb/ft <sup>2</sup>	
WATER RESISTANCE	WATERPROOF	Dir. UEAtc
WATER VAPOR TRANSMISSION	0.09 perms (gr/ft <sup>2</sup> *h*in.hg)	ASTM E 96
FLAME INDEX	0	ASTM E-84-99
SMOKE DEVELOPMENT	15	ASTM E-84-99
EMITANCE	0.03	ASTM C-1371-98
FUNGI RESISTANCE	NO GROWTH	ASTM C 1338
CORROSIVENESS	PASS	ASTM C-1224
PLIABILITY	NO CRACKING	ASTM C-1224
HUMIDITY RESISTANCE	PASS	ASTM C-1258
BLEEDING AND DELAMINATION	NO BLEEDING NO DELAMINATION	ASTM C-1224
OPERATING TEMPERATURE	32 °f / 176 °f	ASTM C-1224
TENSILE STRENGTH AT BREAK (MD)	7.6 Lbf/inch	ASTM D -638



CORRUGATED POLYSTYRENE		
DIMENSIONS AND TOLERANCES OF THE STANDARD PRODUCT		
THICKNESS: see drawings	LENGTH: 4 feet	ANCHO: 11.8"; 17.7", 19.6"
TECHNICAL CHARACTERISTICS OF THE PRODUCT		
CHARACTERISTICS	VALUE	STANDARD
Density	1 lb/ft <sup>3</sup>	NOM-C126
Compression deflection @ 10%	13 PSI	ASTM D1621
Bending strength (flexural strength)	29 PSI	
Water absorption (7 days submerged)	2,5%	NOM-C212

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LEADERS IN THERMAL INSULATION FOR CONSTRUCTION