

PRODUCT CATALOG

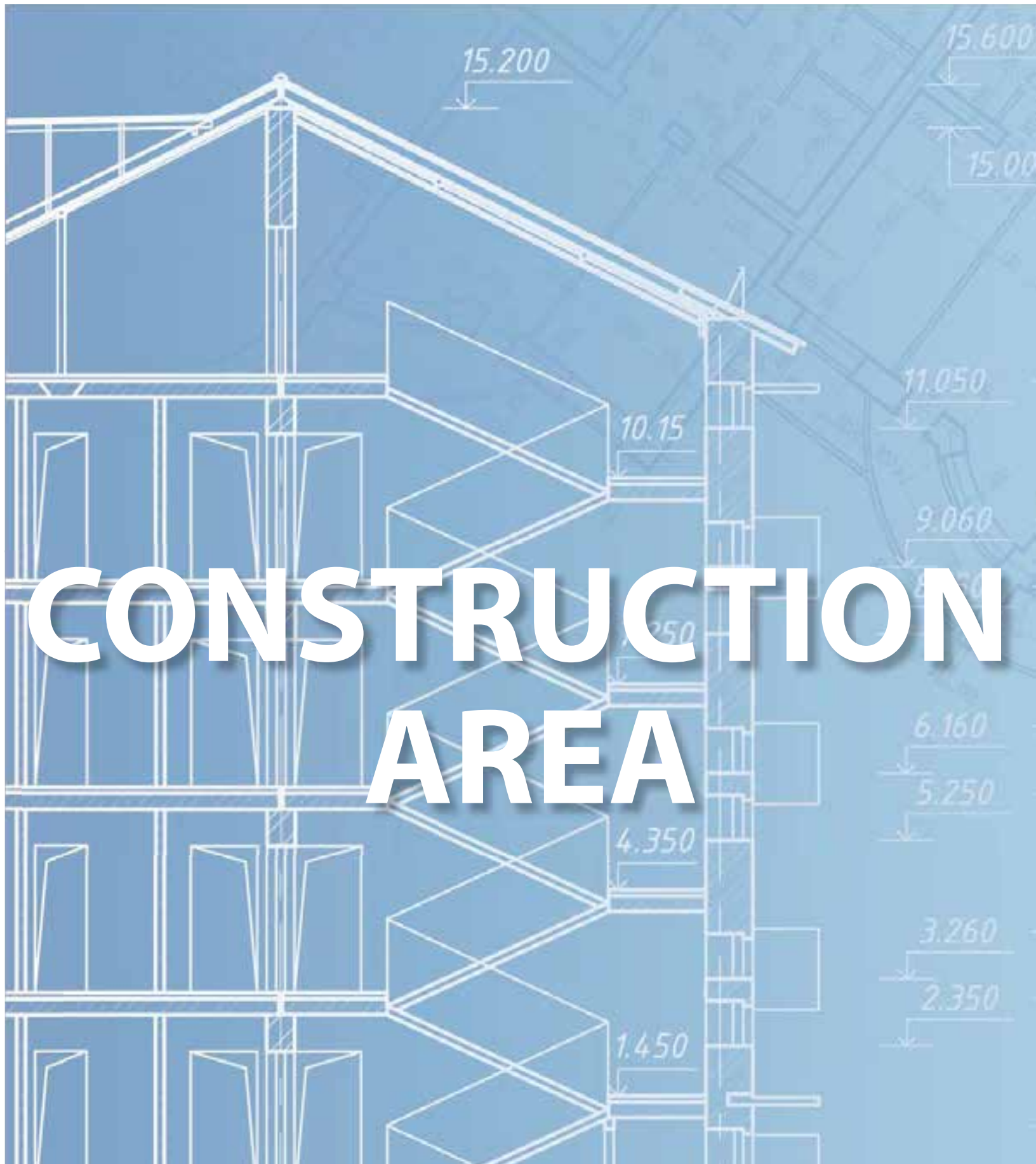


Energy efficiency for constructions...
Always environment-friendly ...



Comfort in harmony with the environment

www.prodexcr.com



CONSTRUCTION AREA



Comfort in harmony with the environment

REFLECTIVE THERMAL INSULATION **AD**

AD= ALUMINUM + ALUMINUM



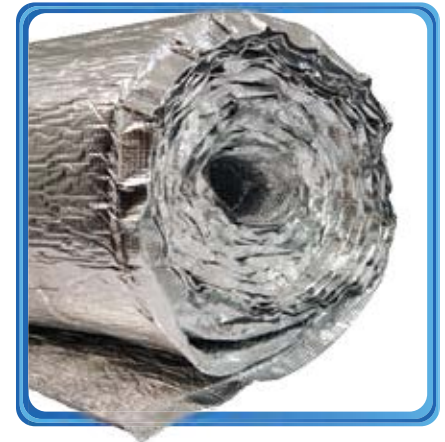
Product Description

0,39; 0,19; and 0,11 in thick closed cell polyethylene foam laminated with pure aluminum on both sides.

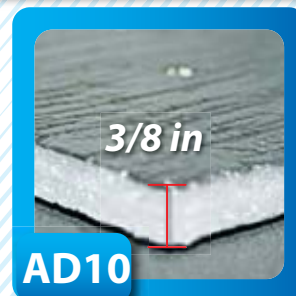
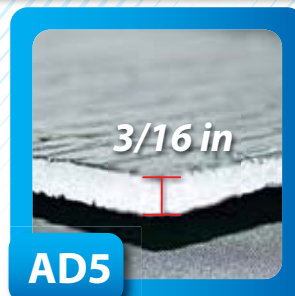
- Developed under the highest quality standards.
- Designed to save energy by eliminating the radiant heat produced by roofs, walls and floors.
- Additionally, it protects your house, business or project, offering COMFORT throughout the year.

TECHNICAL SPECIFICATIONS

AD5 Insulation (Double aluminum layer- Fire barrier)		
Measures and Tolerances of the Standard Product		
Thickness: 0,11 ± 0,008 in; 0,19 ± 0,013 in; 0,39 ± 0,027 in	Length: 175 ± 0,98 ft	Width: 4 ± 0,032 ft
Technical Characteristics of the Product		
Characteristics	Value	Standard
FOAM CELL STRUCTURE	Closed	-
AVERAGE WEIGHT PER ft²	(0,11 in) 0,04 lb/ft²; (0,19 in) 0,05 lb/ft²; (0,39 in) 0,084 lb/ft²	-
FOAM DENSITY	2,1 - 3,37 lb/ft³	ASTM 1622
PERMEABILITY	Waterproof	Dir. UEAtc
WATER VAPOR PERMEABILITY	0.033 g/m2hkPa - 0.05 perms (gr/ft²*h*in.hg)	ASTM E 96/IRAM 1735
FLAME INDEX	0	ASTM E-84
SMOKE DEVELOPMENT	15	ASTM E-84
EMITTANCE	0,03	ASTM C-1371-98
FUNGAL RESISTANCE	Resistant/ It doesn't promote fungal growth- Mold	ASTM C 1338
DELAMINATION	It doesn't delaminate	ASTM C-1224-99
OPERATING TEMPERATURE	- 4 °f / 176 °f	ASTM C-1258



Types of Product



AD Insulators	Thickness (in)	Width (ft)	Length (ft)	ft² by roll	Weight by ft²(lb)	Useful width
AD10/DOUBLE ALU	0,39	4	65	262	$8,47 \times 10^{-2}$	3,8
AD5/DOUBLE ALU	0,19	4	65	262	$4,95 \times 10^{-2}$	3,8
AD3/DOUBLE ALU	0,118	4	65	262	$4,17 \times 10^{-2}$	3,8



REFLECTIVE THERMAL INSULATION AP

AP= ALUMINUM + POLYESTER



Product Description

0,39; 0,19; and 0,11 in thick closed cell polyethylene foam laminated with pure aluminum on one side and white polyester film on the other.

- Developed under the highest quality standards.
- Designed to save energy by eliminating the radiant heat produced by roofs, walls and floors.
- Additionally, it protects your house, business or project, offering COMFORT throughout the year.

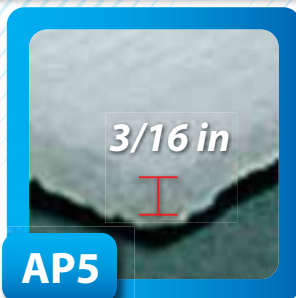
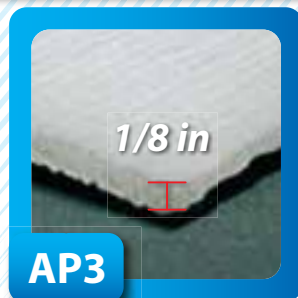


TECHNICAL SPECIFICATIONS

AP5 Insulation (An aluminum layer- A polyester layer)		
Measures and Tolerances of the Standard Product		
Thickness: 0,11 ± 0,008 in; 0,19 ± 0,013 in; 0,39 ± 0,027 in	Length: 175 ± 0,98 ft	Width: 4 ± 0,032 ft
Technical Characteristics of the Product		
Characteristics	Value	Standard
FOAM CELL STRUCTURE	Closed	
AVERAGE WEIGHT PER ft²	(0,11 in) 0,037 lb/ft²; (0,19 in) 0,043 lb/ft²; (0,39 in) 0,076 lb/ft²	
FOAM DENSITY	2,1 - 3,37 lb/ft³	ASTM 1622
PERMEABILITY	Waterproof	Dir. UEAtc
WATER VAPOR PERMEABILITY	0.033 g/m2hkPa - 0.05 perms (gr/ft²*h*in.hg)	ASTM E 96/IRAM 1735
EMITTANCE	0,03	ASTM C-1371-98
FUNGAL RESISTANCE	Resistant/ It doesn't promote fungal growth- Mold	ASTM C 1338
DELAMINATION	It doesn't delaminate	ASTM C-1224-99
OPERATING TEMPERATURE	- 4 °f / 176 °f	ASTM C-1258



Types of Product



AP Insulators	Thickness (in)	Width (ft)	Length (ft)	ft² by roll	Weight by ft²(lb)	Useful width
AP /ALUMINUM + POLYESTER	0,39	4	65	262	$8,47 \times 10^{-2}$	3,8
AP /ALUMINUM + POLYESTER	0,19	4	65	262	$4,95 \times 10^{-2}$	3,8
AP /ALUMINUM + POLYESTER	0,118	4	65	262	$4,17 \times 10^{-2}$	3,8



ADF= ALUMINUM + ALUMINUM + TAPE

APF= ALUMINUM + POLYESTER + TAPE

Product Description

You can request your 0,11 and 0,19 in products with built-in Fast Action tape for a fast and easy installation. This reduces labor, material and equipment expenses.

FAST ACTION

This double-sided adhesive tape for lateral overlaps helps to reduce installation times and labor expenses.



TECHNICAL SPECIFICATIONS

Insulation AP/AD F FAST ACTION

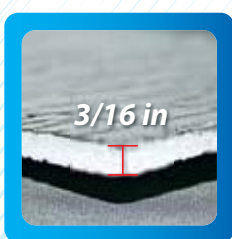
Measures and Tolerances of the Standard Product

Thickness: 0,11 ± 0,008 (in) 0,19 ± 0,013 (in)	Length: 175 ± 098 ft	Width: 4 ± 0.032 ft
Characteristics	Value	Standard
OUTER LAYER ADHESION (fast action)	2,93 lb/inch	ASTM D-1000
FAST ACTION TOTAL THICKNESS	0,0037 in	ASTM D-1000
ADHESION CAPACITY (fast action)	>24 hr/in²	PSTC-7
INITIAL ADHESION LENGTH (fast action)	0,59 in	PSTC-6

Types of Product



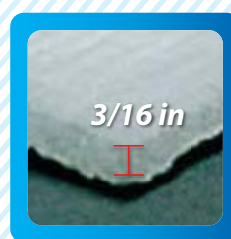
AD3



AD5



AP3

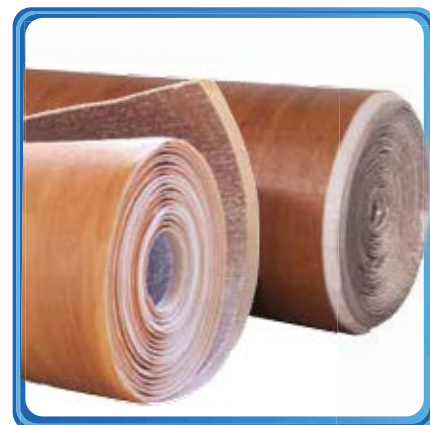


AP5



Thermal Insulation for wood finish ceilings

AP= aluminum on one side + UV printed polyethylene on the other



Product Description

0,23 in thick closed cell polyethylene foam with aluminum on one side and UV printed polyethylene on the other.

- Reflective Thermal insulation with a wood finish.
- Made with 0,23 in thick ProDEX® closed cell polyethylene foam.
- Laminated with pure aluminum on one side and a polyethylene film printed with UV ink that provides insulation and beauty to your buildings.

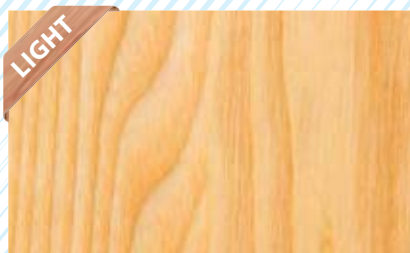
TECHNICAL SPECIFICATIONS

Ap Insulation (An Aluminum Layer + A Polyethylene UV-Printed Layer)		
MEASURES AND TOLERANCES OF THE STANDARD PRODUCT		
THICKNESS: 0,23 ± 0,016 (in)	LENGTH: 32 ± 0,98 ft	WIDTH: 4 ± 0,032 ft
TECHNICAL CHARACTERISTICS OF THE PRODUCT		
CHARACTERISTICS	VALUE	STANDARD
FOAM CELL STRUCTURE	Closed	-
AVERAGE WEIGHT PER ft²	0,043 lb/ft²	-
INSULATION DENSITY	2,1 - 3,37 lb/ft³	ASTM 1622
PERMEABILITY	Waterproof	Dir. UEatc
WATER VAPOR PERMEABILITY	0.033 g/m²hkPa - 0.05 perms (gr/ft²*h*in.hg)	ASTM E 96/IRAM 1735
EMITTANCE	0,03	ASTM C-1371-98
FUNGAL RESISTANCE	Resistant/ It doesn't promote fungal growth- mold	ASTM C 1338
DELAMINATION	It doesn't delaminate	ASTM C-1224-99
OPERATING TEMPERATURE	- 4 °f / 176 °f	ASTM C-1258



Types of Product

PRODEX RUSTIC® APM6 C



PRODEX RUSTIC® APM6 O



3 GREAT BENEFITS IN ONE SINGLE PRODUCT



Save energy



Insulate



Decorate your ceilings



UNDER FLOOR: FOAM + POLYETHYLENE

Product Description

0,078 in thick 100% closed cell polyethylene foam with aluminum on one side and UV printed polyethylene on the other.

Recommended Uses

It can be used in both post-tensioned and pre-tensioned composite floors for new buildings and remodeling projects. The insulation is placed on the existing composite floor system, leaving enough material to cover the baseboard area over the wall. Then, the laminated floor can be placed according to the manufacturer's recommendations.

Main Benefit

This is a 100% waterproof product that keeps moisture from the bottom side of the laminated floor, acting as a membrane that corrects the irregularities of the composite floor, offering a continuous support for the laminated floor.

Premium

Types of Product

Economic

- Foam thickness: 0,078 in
- Yellow polyethylene foam laminated with clear polyethylene film
- Overall width: 4 ft
- Effective width: 3,8 ft
- Trimmed lateral finish
- Reinforced polyethylene film to prevent tearing and allow movement during the installation process

- Foam thickness: 0,078 in
- Yellow polyethylene foam
- Overall width: 4 ft
- Effective width: 3,8 ft
- Trimmed lateral finish

TECHNICAL SPECIFICATIONS

POLYETHYLENE FOAM

Measures and Tolerances of the Standard Product

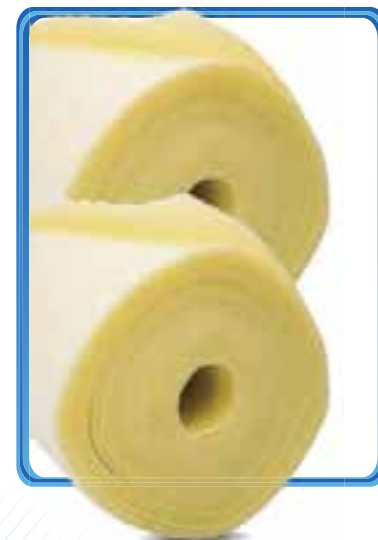
Thickness: 0,078 ± 0,008 in

Legth: 32 ± 0,98 ft

Width: 4 ± 0,032 ft

Technical Characteristics of the Product

Characteristics	Value	Standard
FOAM CELL STRUCTURE	Closed	-
DENSITY	1,24 - 1,87 lb/ft³	ASTM 1622
PERMEABILITY	Waterproof	Dir. UEAtc
WATER VAPOR PERMEABILITY	0.033 g/m²hkPa	ASTM E 96/IRAM 1735
PERMEABILITY OF LIGHT	52-63 %	
DIMENSIONAL STABILITY AGAINST HEAT	Longitudinal -4.5/-4.2% / Transversal +0.3/0.8 a (70°Cx 22hs)	
RESISTANCE TO MINERAL OIL	SAE 30 (15 days at 23 °C)	-
SURFACE OZONE CRACKING	No Cracking	ASTM D 1171
COMPRESSION STRENGTH	25% CD 6PSI (41.4 Kpa)	ASTM D 1621
TENSILE STRENGTH	58 PSI	ASTM D 3575
ELONGATION MAX	123%	ASTM D 3575
TEAR RESISTANCE	16 lb/in	ASTM D 3575



UNDER CARPETS: FOAM + POLYETHYLENE

Product Description

0,11 in thick 100% closed cell polyethylene foam.

Recommended Uses

It can be used in both post-tensioned and pre-tensioned composite floors for new buildings and remodeling projects. The insulation is placed on the existing composite floor system, leaving enough material to cover the baseboard area over the wall. Then, the carpet can be placed according to the manufacturer's recommendations.

Main Benefit

This is 100% waterproof product that prevents vapor transmission, extending the carpet's average life by avoiding the growth of fungus and bacteria and acting as a membrane that corrects the irregularities of the composite floor and offers a continuous support for the laminated floor.

Types of Product

- Foam thickness: 0,11 in
- Yellow polyethylene foam laminated with clear polyethylene
- Overall width: 4 ft
- Effective width: 3,8 ft
- Trimmed lateral finish

TECHNICAL SPECIFICATIONS

POLYETHYLENE FOAM		
Measures and Tolerances of the Standard Product		
Thickness: 0,11 ± 0,008 in	Length: 32 ± 0,98 ft	Width: 4 ± 0,032 ft
Technical Characteristics of the Product		
Characteristics	Value	Standard
FOAM CELL STRUCTURE	Closed	-
DENSITY	1,24 - 1,87 lb/ft³	ASTM 1622
PERMEABILITY	Waterproof	Dir. UEAtc
WATER VAPOR PERMEABILITY	0.033 g/m²hkPa	ASTM E 96/IRAM 1735
PERMEABILITY OF LIGHT	52-63 %	
DIMENSIONAL STABILITY AGAINST HEAT	Longitudinal -4.5/-4.2% / Transversal +0.3/0.8 a (70°Cx 22hs)	
RESISTANCE TO MINERAL OIL	SAE 30 (15 days at 23 °C)	-
SURFACE OZONE CRACKING	No Cracking	ASTM D 1171
COMPRESSION STRENGTH	25% CD 6PSI (41.4 Kpa)	ASTM D 1621
TENSILE STRENGTH	58 PSI	ASTM D 3575
ELONGATION MAX	123%	ASTM D 3575
TEAR RESISTANCE	16 lb/in	ASTM D 3575



ACOUSTICS: FOAM + POLYETHYLENE

Product Description

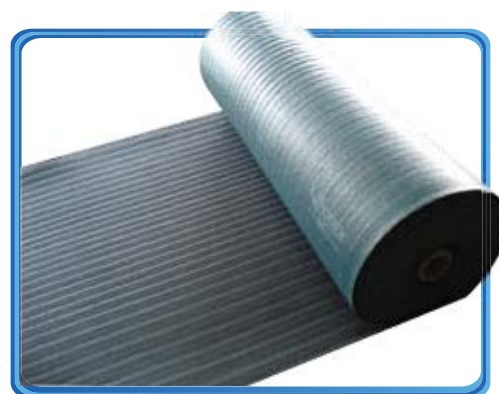
0,39 in thick 100% closed cell polyethylene foam laminated with polyethylene on one side.

Recommended Uses

It can be used in new construction projects with post-tensioned composite floors. Prodex Acoustics is used over the floor's topping, leaving enough material to cover the baseboard area over the wall. Then, 1,96 in thick a concrete topping supported with structural fiber must be placed to avoid the use of steel reinforcement.

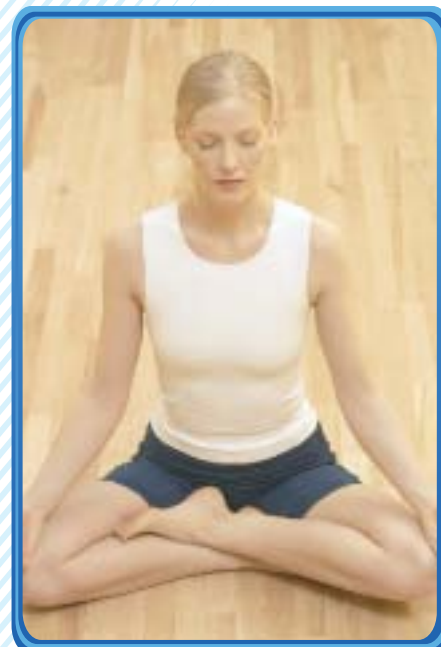
Main Benefit

Impact noise isolation with a 19 bBA value (average)



TECHNICAL SPECIFICATIONS

POLYETHYLENE FOAM		
Measures and Tolerances of the Standard Product		
Thickness: 0,39 ± 0,27 in	Length: 98 ± 0,32 ft	Width: 4 ± 0,032 ft
Technical Characteristics of the Product		
Characteristics	Value	Standard
FOAM CELL STRUCTURE	Closed	-
DENSITY	1,24 - 1,87 lb/ft³	ASTM 1622
PERMEABILITY	Waterproof	Dir. UEAtc
WATER ABSORPTION	1.2% V/V (42.6% P/P)	IRAM 1582
WATER VAPOR PERMEABILITY	0.033 g/m²hkPa	ASTM E 96/IRAM 1735
FOAM THERMAL CONDUCTIVITY	0.035 a 0.045 W/m °C	ASTM C518
IMPACT NOISE INSULATION	19 dBA	IRAM 4D63 PART V Y VII



POULTRY SECTOR



Comfort in harmony with the environment

ADP5= ALUMINUM + ALUMINUM + CLEAR POLYESTER

Product Description

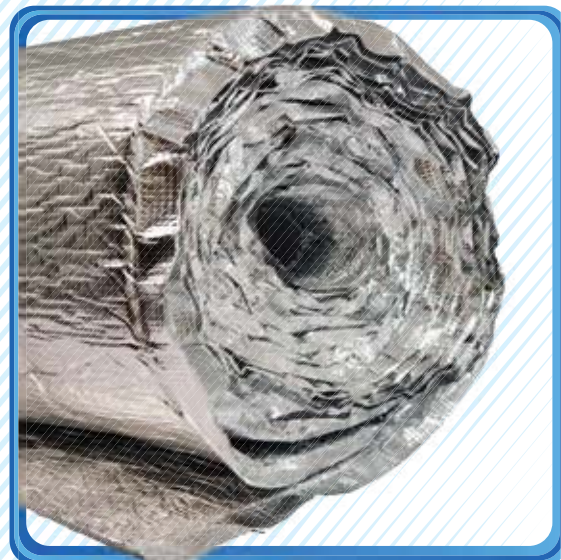
0,19 in thick closed cell polyethylene foam with pure aluminum on both sides and reinforced with clear polyester on the bottom side.

- Includes lateral seals that guarantee the core will be sealed without exposing the foam, preventing beetles (*Alphitobius diaperinus*) from entering.



TECHNICAL SPECIFICATIONS

ADP5 Insulation (Aluminum + Aluminum and Transparent Polyester)		
MEASURES AND TOLERANCES OF THE STANDARD PRODUCT		
THICKNESS: 0,19 ± 0.013 in	LENGTH: 175 ± 0,98 ft	WIDTH: 4 ± 0.032 ft
TECHNICAL CHARACTERISTICS OF THE PRODUCT		
CHARACTERISTICS	VALUE	STANDARD
FOAM CELL STRUCTURE	Closed	-
AVERAGE WEIGHT PER ft²	0,051 lb/ ft²	-
INSULATION DENSITY	3,12 - 3,43 lb/ft³	ASTM 1622
PERMEABILITY	Waterproof	Dir. UEAtc
WATER VAPOR PERMEABILITY	0.033 g/m²hkPa - 0.05 perms (gr/ft²*h*in.hg)	ASTM E 96/IRAM 1735
FLAME INDEX	0	ASTM E-84
SMOKE DEVELOPMENT	35	ASTM E-84
EMITTANCE	0,03 outer side, inner side 0,42	ASTM C-1371-98
FUNGAL RESISTANCE	Resistant/ It Doesn't Promote Fungal Growth- Mold	ASTM C 1338
DELAMINATION	It Doesn't Delaminate	ASTM C-1224-99
OPERATING TEMPERATURE	- 4 °f / 176 °f	ASTM C-1258



REFLECTIVE THERMAL INSULATION ADP6TS

ADP6TS= ALUMINUM + ALUMINUM + THERMAL WELDING CLEAR POLYESTER

Product Description

0,23 in thick closed cell polyethylene foam with pure aluminum on both sides and reinforced with clear polyester on the bottom side.

- Includes lateral seals that guarantee the core will be sealed without exposing the foam, preventing beetles (*Alphitobius diaperinus*) from entering.

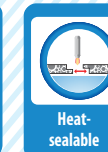
TECHNICAL SPECIFICATIONS

ADP6TS Insulation (Aluminum + Aluminum and Transparent Polyester)		
MEASURES AND TOLERANCES OF THE STANDARD PRODUCT		
THICKNESS: 0,23 ± 0,016 in	LENGTH: 175 ± 0,98 ft	WIDTH: 4 ± 0,032 ft
TECHNICAL CHARACTERISTICS OF THE PRODUCT		
CHARACTERISTICS	VALUE	STANDARD
FOAM CELL STRUCTURE	Closed	-
AVERAGE WEIGHT PER ft²	0,051 lb/ft²	-
INSULATION DENSITY	3,12 - 3,43 lb/ft³	ASTM 1622
PERMEABILITY	Waterproof	Dir. UEAtc
WATER VAPOR PERMEABILITY	0.033 g/m²hkPa - 0.05 perms (gr/ft²*h*in.hg)	ASTM E 96/IRAM 1735
FLAME INDEX	0	ASTM E-84
SMOKE DEVELOPMENT	35	ASTM E-84
EMITTANCE	0,03 outer side, inner side 0,42	ASTM C-1371-98
FUNGAL RESISTANCE	Resistant/ It Doesn't Promote Fungal Growth- Mold	ASTM C 1338
DELAMINATION	It Doesn't Delaminate	ASTM C-1224-99
OPERATING TEMPERATURE	- 4 °f / 176 °f	ASTM C-1258



✓ 0,11 in thick / 1" width borders at the edge of the insulating roll to improve and simplify the overlapping between pieces.

✓ Use our exclusive THERMAL WELDING system to guarantee a 100% waterproof seal.



REFLECTIVE THERMAL INSULATION **PADP5**

PADP= POLYESTER + DOUBLE ALUMINUM + POLYESTER

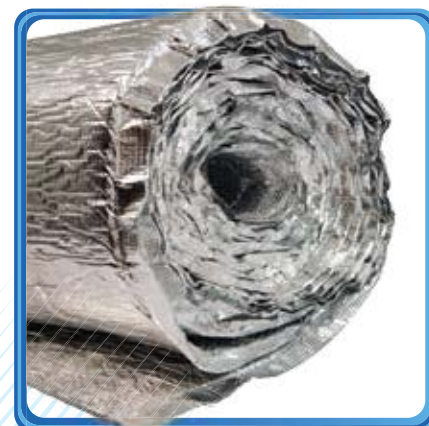
Product Description

0,19 in thick closed cell polyethylene foam with pure aluminum on both sides and reinforced with clear polyester on the bottom side.



TECHNICAL SPECIFICATIONS

PADP 5 (Polyester + Double Aluminum + Polyester)		
MEASURES AND TOLERANCES OF THE STANDARD PRODUCT		
THICKNESS: 0,19 ± 0,013 in	LENGTH: 365 ± 11,8 in	WIDTH: 8 ft
TECHNICAL CHARACTERISTICS OF THE PRODUCT		
CHARACTERISTICS	VALUE	STANDARD
AVERAGE WEIGHT PER ft²	0,051 lb/ft²	-
TRANSPARENT POLYESTER	0,0034 lb/ft²	-
ALUMINUM	0,0061 lb/ft²	-
TRANSPARENT POLYETHYLENE	0,0042 lb/ft²	-
DENSITY	3,12 - 343 lb/ft³	ASTM 1622
PERMEABILITY	Waterproof	Dir. UE Atc
WATER VAPOR PERMEABILITY	0,03 g/m²hkPa	ASTM E 96/IRAM 1735
EMITTANCE	0,03	ASTM C-1371-98
FUNGAL RESISTANCE	Resistant/ It doesn't promote fungal growth- mold	ASTM C-1338
DELAMINATION	It doesn't delaminate	ASTM C-1224-99
OPERATING TEMPERATURE	-4 °f / 176 °f	ASTM C-1258



ProDEX® thermal curtains are made with ProDEX® PADP (Polyester + Double Aluminum + Polyester) thermal insulation, a 0,19 in thick polyethylene foam core, 5,5 in drapes and custom height according to the shed.

Lateral Curtain

It effectively reflects heat generated by gas breeders.



Transverse Curtain

Adjust your reception area to the indicated measures.



Lateral curtains are placed inside the shed in the chicken reception area. Their main goal is to maintain the inside temperature controlled during the first 12 breeding days, when gas is used to keep a temperature of 90° f.



PRODEX® OFFERS ENERGY SAVINGS TO BENEFIT OUR PLANET

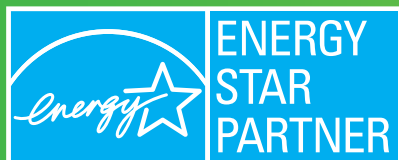
PRODEX® insulation products are recommended in green constructions because they have received the main certifications as a company focused on conserving the environment.

PRODEX® IS ENERGY EFFICIENCY

Our products offer an opportunity to save energy, which has an impact on energy consumption by improving the efficiency of air conditioning, refrigeration, hot water tanks and heating systems.



PRODEX® HAS RECEIVED INTERNATIONAL CERTIFICATIONS AS AN ENVIRONMENTALLY FRIENDLY COMPANY



This program developed by the U.S. Environmental Protection Agency and the U.S. Department of Energy helps to save money and protect the environment through energy efficient products and practices. Products certified by ENERGY STAR such as PRODEX® can help to reduce high energy bills and protect the planet.



PRODEX® is part of the International Green Construction Certification System. The companies that belong to this organization guarantee products focused in energy savings, water efficiency, CO2 emission reductions, environmental quality, resource management and impact sensibility. The mission of the USGBC is to transform the path for construction project to be designed and managed under an ecologically and socially responsible, healthy and prosper environment in order to improve the quality of life.



ISO 14001:2004 is a global standard for environmental management systems (EMS). This allows companies to demonstrate their commitment to environmental regulations. The goal of this international regulation is to provide the highest management levels of any organization with a framework to manage the impact of their activities on the environment.

Contact our authorized provider to place orders.
For technical support, write to: ingenieria@prodexcr.com

