

**The Ideal Insulation Solution**



## **PRODEX TOTAL INSULATION**

**Our products:**

**PRODEX AD5 THERMAL  
INSULATION**

**PRODEX AD10 THERMAL  
INSULATION**



# The Ideal Insulation Solution



## PRODEX TOTAL INSULATION

### Product Characteristics:

- ✓ Reflects 97% of the radiant heat
- ✓ Repels the heat in warm climate
- ✓ Retains heat in cold areas
- ✓ Allows obtaining energetic saving up to 55% with the use of air-conditioning
- ✓ Reduces noise from the falling rain
- ✓ Product of 100% close cell what allows to be: impermeable, hygienic, and resistant to agro-chemicals, acids, bases, oils and coverings



### Environmental Characteristics:

- ✓ Our products are free from toxic gas
- ✓ We do not harm the ozone layer
- ✓ All product are environmental friendly
- ✓ Do no develop allergies
- ✓ We are members of the united green building Council
- ✓ Our packing is made with



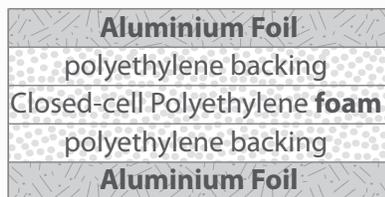
# The Ideal Insulation Solution

## ◎ PRODEX AD5 THERMAL INSULATION

✓ Radiant barrier, Thermal break and Vapor Barrier

This insulation product reduces heating and cooling costs. Reflective aluminum foil on each side of a 5mm closed-cell polyethylene foam center. Ideal for hot and cold climates.

### INSULATION LAYERS



Nominal Thickness:  
5mm (+ or - 0.5 mm)

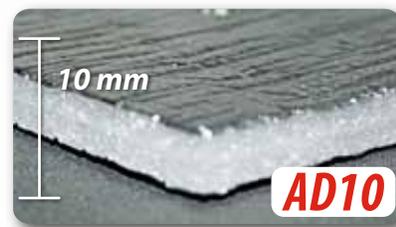
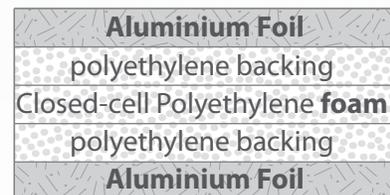


## ◎ PRODEX AD10 THERMAL INSULATION

✓ Increase R Value, add longitudinal strength, get better installation finish with our new thermal meld system.

This insulation product reduces heating and cooling costs. Reflective aluminum foil on each side of a 10mm closed-cell polyethylene foam center. Ideal for hot and cold climates.

### INSULATION LAYERS



Nominal Thickness:  
10mm (+ or - 0.5 mm)

# The Ideal Insulation Solution



## PRODEX AD5 THERMAL INSULATION

<i>Technical specifications</i>		
<b>1-PRODUCT</b>		
INSULATOR AD (double aluminium face - barrier against fire)		
<b>2. MEASUREMENTS AND TOLERANCES OF THE STANDARD PRODUCT</b>		
<b>THICKNESS</b>	5 ± 0.35 (mm)	<b>LENGHT</b> ± 30 cm
		<b>WIDTH:</b> 1.22 ± 0.01 (m)
<b>3. CHARACTERISTICS OF THE PRODUCT</b>		
CHARACTERISTICS	VALUE	NORM
STRUCTURE OF THE FOAM CELL	Closed	-
AVERAGE WEICHT OF M <sup>2</sup>	0,242kg/m <sup>2</sup>	-
DENSITY OF THE INSULATOR	20-30 kg/m <sup>3</sup>	ASTM 1622
PERMEABILITY	Impermeable	Dir. UEAtc
PERMEABILITY TO THE WATER STEAM	0.033 g/m <sup>2</sup> hkPa - 0.05 perms (gr/ft <sup>2</sup> *h*in.hg)	ASTM E 96/IRAM 1735
FLAME RATE	0	ASTM E-84
SMOKE DEVELOPMENT	15	ASTM E-84
EMITTANCE	0.03	ASTM C-1371-98
RESISTANCE TO FUNGUS	Resistant / Does not promote the growth of fungus – mold	ASTM C 1338
DELAMINATION	Does not delaminate	ASTM C-1224-99
OPERATION TEMPERATURE	- 20°C / 80°C	ASTM C-1258
THERMIC RESISTANCE (factor R, hent flor down)	15.67 ft <sup>2</sup> h <sup>2</sup> /Btu	ASTM C-236
BARK ADHESION (fast action)	1,33-1,31 kg/inch	ASTM D-1000
TOTAL THICKNESS OF FAST ACTION	0,095 mm	ASTM D-1000
ADHESION CAPACITY (fast action)	24 hr/in <sup>2</sup>	PSTC-7
INITIAL STICKING LENGHT (fast action)	1,5 cm>	PSTC-6

## PRODEX AD10 THERMAL INSULATION

<i>Technical specifications</i>		
<b>1-PRODUCT</b>		
INSULATOR AD (double aluminium face - barrier against fire)		
<b>2. MEASUREMENTS AND TOLERANCES OF THE STANDARD PRODUCT</b>		
<b>THICKNESS</b>	10 ± 0.70 (mm)	<b>LENGHT</b> ± 30 cm
		<b>WIDTH:</b> 1.22 ± 0.01 (m)
<b>3. CHARACTERISTICS OF THE PRODUCT</b>		
CHARACTERISTICS	VALUE	NORM
STRUCTURE OF THE FOAM CELL	Closed	-
AVERAGE WEICHT OF M <sup>2</sup>	0,242kg/m <sup>2</sup>	-
DENSITY OF THE INSULATOR	20-30 kg/m <sup>3</sup>	ASTM 1622
PERMEABILITY	Impermeable	Dir. UEAtc
PERMEABILITY TO THE WATER STEAM	0.033 q/m <sup>2</sup> hkPa - 0.05 perms (qr/ft <sup>2</sup> *h*in.hg)	ASTM E 96/IRAM 1735
FLAME RATE	0	ASTM E-84
SMOKE DEVELOPMENT	15	ASTM E-84
EMITTANCE	0.03	ASTM C-1371-98
RESISTANCE TO FUNGUS	Resistant / Does not promote the growth of fungus – mold	ASTM C 1338
DELAMINATION	Does not delaminate	ASTM C-1224-99
OPERATION TEMPERATURE	- 20°C / 80°C	ASTM C-1258
THERMIC RESISTANCE (factor R, hent flor down)	21.36 ft <sup>2</sup> h <sup>2</sup> /Btu	ASTM C-236
BARK ADHESION (fast action)	1,33-1,31 kg/inch	ASTM D-1000
TOTAL THICKNESS OF FAST ACTION	0,095 mm	ASTM D-1000
ADHESION CAPACITY (fast action)	24 hr/in <sup>2</sup>	PSTC-7
INITIAL STICKING LENGHT (fast action)	1,5 cm>	PSTC-6



# The Ideal Insulation Solution



## Our reflective insulations are used in:

- ✓ Homes,
- ✓ Metal buildings,
- ✓ Pole barns
- ✓ Commercial buildings



## Applications include:

- ✓ Roof
- ✓ Attic
- ✓ Ceiling
- ✓ Wall
- ✓ Garage
- ✓ Crawlspace
- ✓ Floor
- ✓ Ductwork
- ✓ Under-concrete...

**Prodex Total is the recommended product for these applications. It represents 81% of our sales, receives the highest customer reviews and most stringent testing.**

# The Ideal Insulation Solution



## PRODEX AD10 THERMAL INSULATION



### BEST METAL BUILDING INSULATION!

The AD10 insulation is our higher quality product,  
It allows you to get the best installation look

- ✓ Improve the tearing resistance
- ✓ Get a constant R Value
- ✓ Reduce condensation risk
- ✓ Thermal weld overlap

### MAIN ADDED VALUES

- 1.THERMAL WELDING METHOD
- 2.VAPOR BARRIER
- 3.ONE LAYER R VALUES AT DIFERENT TEMPERATURES
- 4.RESISTANCE TO GROWD OF FUNGI

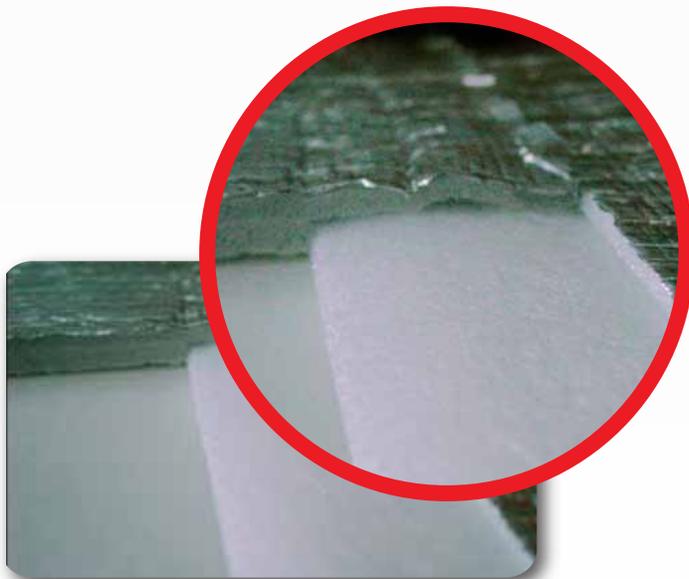
# The Ideal Insulation Solution



## 1. Thermal Welding Method

Prodex AD 10 material has cuts at the edge to overlap the rolls, a hot air gun is apply this melts the polyethylene foam at both rolls, then a little hand pressure is require to complete the welding process.

Thermal welding allows Prodex AD 10 to get a totally impermeable overlapping and mechanical seal between installed rolls



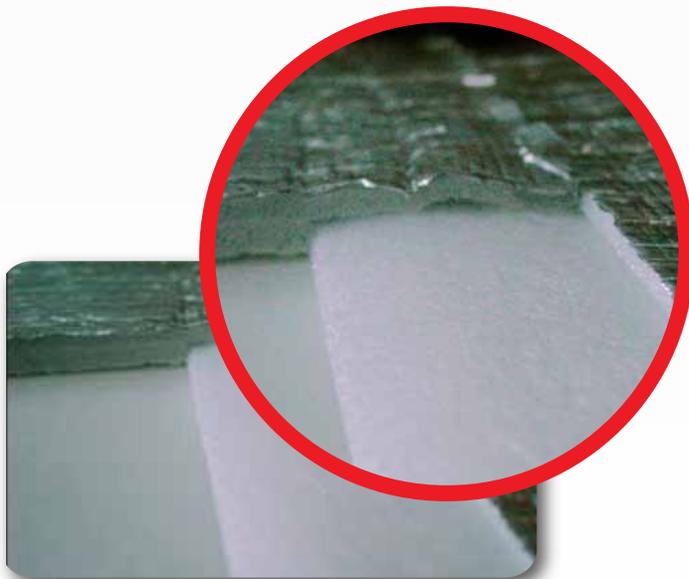
# The Ideal Insulation Solution



## 1. Thermal Welding Method

Prodex AD 10 material has cuts at the edge to overlap the rolls, a hot air gun is apply this melts the polyethylene foam at both rolls, then a little hand pressure is require to complete the welding process.

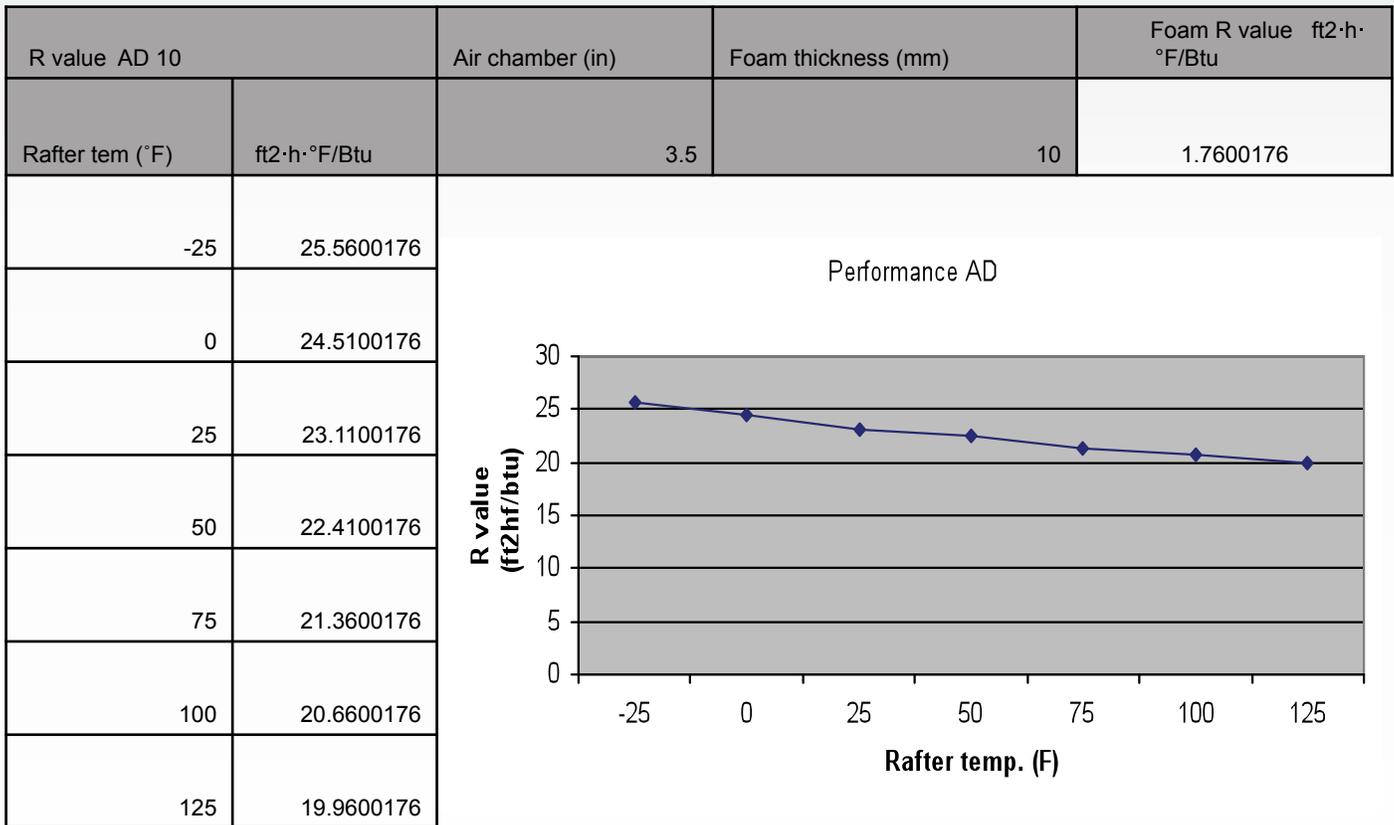
Thermal welding allows Prodex AD 10 to get a totally impermeable overlapping and mechanical seal between installed rolls



# The Ideal Insulation Solution



## 3. One layer R Values at different temperatures



# The Ideal Insulation Solution



## 4. Resistance to growth of fungi

Prodex reflective insulation has been tested for resistance to the growth of fungi in accordance with the ASTM C 1338.

### Against all the following fungal species:

- ✓ *Asperillus niger*
- ✓ *Aspergillus flavus*.
- ✓ *Aspergillus versicolor*.
- ✓ *Penicillium funiculosum*.
- ✓ *Chaetomium globosum*.



# The Ideal Insulation Solution

## PRODEX AD10 THERMAL INSULATION



## Installation

### ABOVE RAFTERS INSTALLATION

- Set the Prodex AD 10 at the eaves and unroll parallel to the eaves.
- As the Prodex AD 10 is unrolled across rafters fix it using nails or staples of at least 1/2" length.
- The next roll must overlap the preceding layer by using our Thermal welding system this will guide the roll and seal the overlap along the entire length.



- Prodex Ad 10 should be permanently fixed in place by using wooden battens parallel to the rafters, held in place with nails.
- When the top layer has been battened, any excess material may be cut by running a sharp knife along the edge of the batten.
- As soon the Prodex AD 10 is set and tight, roof installation can take place as a normal procedure.

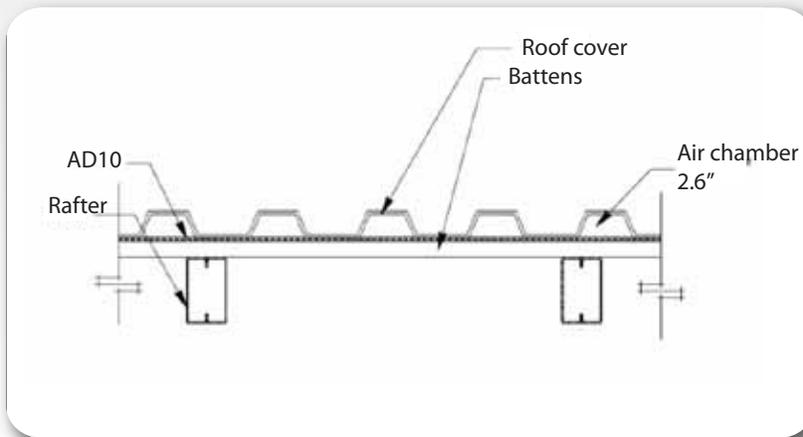
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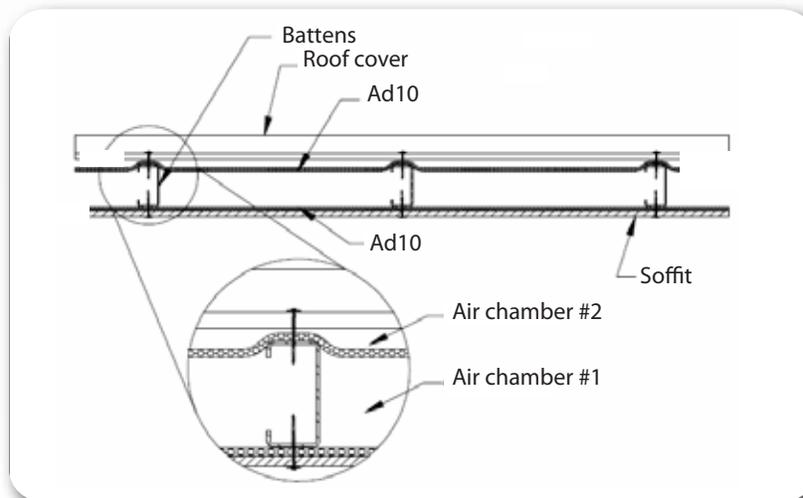
## PRODEX AD10 THERMAL INSULATION



### INSTALLATION METHOD R 22



### INSTALLATION METHOD R 30



The Ideal Insulation Solution



## PRODEX TOTAL INSULATION

- ✓ **Best Insulation**
- ✓ **Lowest Price**
- ✓ **Fastest Delivery**



Comfort in harmony with the environment

