



# Insulation System

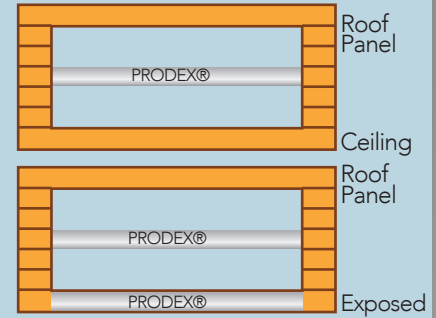
## THERMAL VALUES

\*"R" THERMAL RESISTANCE VALUES Recommended construction systems

| Thermal resistance values with down heat flow           |       |
|---|-------|
| With one Prodex sheet using two 2.64 inch air chambers  | 15.67 |
| With two Prodex sheets using two 2.64 inch air chambers | 21.10 |

| Thermal resistance values with side heat flow           |      |
|---|------|
| With one Prodex sheet using two 2.64 inch air chambers  | 7.0  |
| With two Prodex sheets using two 2.64 inch air chambers | 9.58 |

| Thermal resistance values with up heat flow             |      |
|---|------|
| With one Prodex sheet using two 2.64 inch air chambers  | 6.0  |
| With two Prodex sheets using two 2.64 inch air chambers | 8.24 |



Boundary conditions 60 F and 90 F average internal temperature PRODEX®  
75 F Emissance 0.03 ASTM 1371-96

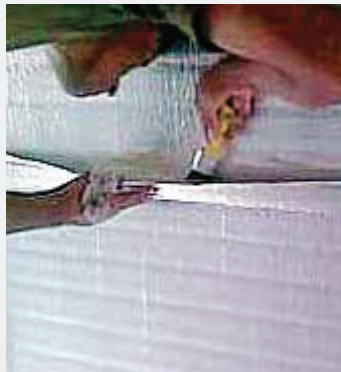
\*R Factor = Thermal resistance. It is the capacity of the insulating material to oppose heat flow.

ASTM 1116 Test Method using 2x6 inch wood frame

## INSTALLATION

### CONTACT CEMENT APPLICATION (YELLOW ADHESIVE)

3 / 5 mm thick AP and AD products can be transversely joined to each other through contact cement application for complete protection from radiant heat, keeping radiated heat on the roof from entering the building.



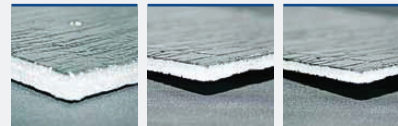
## BOX THICKNESS

### Prodex AD Aluminum + Aluminum

10mm, 5mm & 3mm thick closed cell polyethylene foam laminated in pure aluminum on both sides.

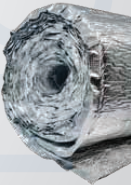
#### BENEFITS

- Saves more energy in air conditioning and heating controlled rooms
- Shows high resistance to flame (Class A fire)
- Features 3 / 5mm thick side seals so that foam is not exposed during installation process



10 mm      5 mm      3 mm

| AD INSULATION   | THICKNESS (mm) | WIDTH (m) | LENGTH (m) | M <sup>2</sup> PER ROLL | WEIGHT PER M <sup>2</sup> | USEFUL WIDTH |
|-----------------|----------------|-----------|------------|-------------------------|---------------------------|--------------|
| AD10/DOUBLE ALU | 10mm           | 1.22m     | 20m        | 24.4m <sup>2</sup>      | 0,414 kg/m <sup>2</sup>   | 1.22 m       |
| AD5/DOUBLE ALU  | 5mm            | 1.22m     | 20m        | 24.4m <sup>2</sup>      | 0,242 kg/m <sup>2</sup>   | 1.17 m       |
| AD3/DOUBLE ALU  | 3mm            | 1.22m     | 20m        | 24.4m <sup>2</sup>      | 0,204 kg/m <sup>2</sup>   | 1.17 m       |



### Prodex AP Aluminum + Polyester

#### DESCRIPTION

10mm, 5mm & 3mm thick closed cell polyethylene foam laminated in pure aluminum on one side and white polyester film on the other.

#### BENEFITS

- Excellent finishing touches to facilities with no ceiling or suspended ceiling
- Excellent resistance to tearing and high temperatures



10 mm      5 mm      3 mm

| AP INSULATION   | THICKNESS (mm) | WIDTH (m) | LENGTH (m) | M <sup>2</sup> PER ROLL | WEIGHT PER M <sup>2</sup> | USEFUL WIDTH |
|-----------------|----------------|-----------|------------|-------------------------|---------------------------|--------------|
| AP10/1 ALU SIDE | 10mm           | 1.22m     | 20m        | 24.4m <sup>2</sup>      | 0,34 kg/m <sup>2</sup>    | 1.22 m       |
| AP5/1 ALU SIDE  | 5mm            | 1.22m     | 20m        | 24.4m <sup>2</sup>      | 0,214 kg/m <sup>2</sup>   | 1.17 m       |
| AP3/1 ALU SIDE  | 3mm            | 1.22m     | 10m        | 12.2m <sup>2</sup>      | 0,184 kg/m <sup>2</sup>   | 1.17 m       |



## Head Office

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