

TechShield



The mighty impactable vertical door!

The TechShield II (2" thick) and TechShield IV (4" thick) doors are extremely impact resistant while being lightweight.

They are made with FRP (Fiber Reinforced Plastic) composite skins strengthened by an EPS foam core. The FRP composite skin, with a high strength with low unit weight, is the strongest commercial material available.

Furthermore, the TechShield doors, due to their thermoplastic nature, are highly resistant to corrosion and chemicals.

They are the recommended choice for impact resistance and rustproof applications such as:

- Loading dock
- Food processing plant
- High traffic warehouse
- Salt storage depot
- Saline/corrosive environment



TechShield

TechShield II (2") & TechShield IV (4")

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Superior impact resistance

The TechShield skins offer superior strength and are highly resistant to impact such as the one by forklift.

Corrosion resistance

Unsurpassed resistance to corrosion due to salt and corroding chemicals.

Airtight design

Airtight joint with double integral bubble seal. Triple lip perimeter weather seal. Heavy-duty bottom U rubber seal (double U-rubber bottom seal for the TechShield IV).

Heavy duty hardware and motor

3" galvanized track system with torsion spring counterbalancing system. Industrial motors and accessories.



Wind load design criteria:

Doors to withstand wind load of 1 kPa (145 km/h velocity) with maximum horizontal deflection of 1/120 opening width.

Reference product:

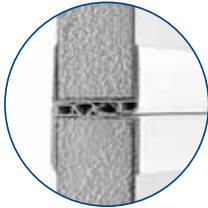
Thermostop™ TechShield II (2" thick) or TechShield IV (4" thick), as manufactured by Thermostop Inc., www.thermostop.com

Panel, thickness and insulation value:

The panel is made with Fiber Reinforced Plastic (FRP) composite skins strengthened with an Expanded Polystyrene (EPS) foam core. The TechShield II thickness is 2" (R-8) while the TechShield IV thickness is 4" (R-16).

Joint and seal:

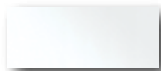
The airtight joint is equipped with a double integral bubble seal.



Finish:

Smooth finish. Standard white. Optional painted finish with choice of color from the RAL color chart.

Standard



White (smooth)

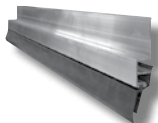
Optional



Painted color to be selected from the RAL color chart.

Perimeter weather seal:

3-lip, flexible PVC weather seal, held with a heavy-duty extruded aluminum retainer.



Bottom weather seal:

U-shaped, flexible PVC weather seal, held with a heavy-duty extruded aluminum retainer (double U-rubber seal for TechShield IV).

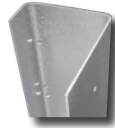


Double bottom seal for TechShield IV



End caps:

Sections are equipped with 16ga. (1.42mm) thick galvanized steel end caps.



Glazing:

Standard size 24" x 12".

Type B:

Black square frame. Double acrylic or 1/8" - 1/8" sealed glass.



Type E:

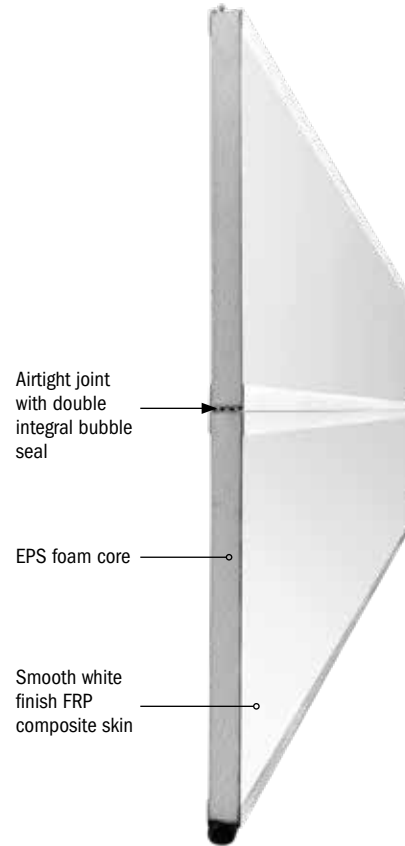
White square frame windows. 1/8" - 1/8" sealed glass.



Hardware and electric operators:

Recommended model (for 10 000 cycles springs): Hardware model 80-T or model 80-THD with electric motor XTRA-H or XTRA-HHD as per design criteria or user's requirements.

Note: For more information, please consult *Hardware - Thermostop Industrial Doors and Operators - Thermostop Industrial Doors brochures.*



Tradition of quality

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Warranty

Thermostop doors and hardware carry a warranty of one (1) year against any defects or faulty workmanship. The door panels carry a ten (10) year limited warranty against perforation due to rusting, and a five (5) year limited warranty on delamination, under normal operational conditions.

