



Your unbeatable break-away door !

The Thermostop™ BreakFree door is the dock door that offers the high insulation value of a 2" thick polyurethane door and the ability to break away upon impact.

This patented door is designed to release the bottom section on impact from the inside or the outside and to be set right back in place. The 2" thick EPS insulated knockout bottom panel, in 24" or 48" height, is made out of an extremely resistant thermoplastic composite skin that can withstand heavy impact.

The Thermostop™ BreakFree door is ideal for applications such as:

- Heavy distribution warehouses
- Grocery distribution warehouses
- Food processing plants
- Pharmaceutical warehouses
- Heavy manufacturing



BreakFree® / Thermostop™

Industrial Doors Series

Section 08362

Impact-resistant and high technology material:

The 24" or 48" high BreakFree bottom panel, made out of thermoplastic composite skins, is highly impact resistant. This thermoplastic composite panel has been successfully tested as per the Missile Impact Test of the Florida (USA) Building Code.

Bidirectional break-away hardware to withstand impact:

The hardware is engineered to allow the knockout bottom panel to swing open outward or inward, upon impact. The break-away hardware makes it easy to put the door right back into place.

Well insulated:

The BreakFree door is a combination of 2" thick polyurethane insulated (R-18.2) top and intermediate steel sections and an impact-resistant 2" thick EPS insulated (R-9.0) bottom section.

Designed for energy savings:

A deep tongue-and-groove joint with an integral bubble weather seal ensures a superior airtightness. An authentic thermal break eliminates heat loss by preventing conductivity between external and internal skins. The bottom knockout panel has a strong U-shaped seal on four sides. Triple-lip weather seal on the perimeter of the whole door.



Bidirectional impact-resistant BreakFree 24" bottom section

Wind load design criteria:

Doors to withstand a wind load of 21psf (velocity of 90.5 miles/hour) with a maximum horizontal deflection of 1/120 of opening width.

BreakFree bottom panel impact test:

Missile Impact Test TAS 201 of the Florida (USA) Building Code: no penetration of exterior skin under the impact of 2" x 4" x 8' stud at 50' per second.

Reference product:

Thermostop™ BreakFree, as manufactured by Thermostop Inc., www.thermostop.com

Size:

Up to of 10' 0" W. x 16' 0" H.
(3048mm W. x 4877mm H.)

Thickness:

2" (50mm) thick.

Track configuration options:

- Full vertical track
- Hi-lift of at least 48" (for the 24" bottom section)
- Hi-lift of at least 60" (for the 48" bottom section)

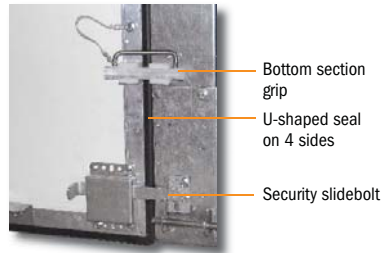
Door sections:

- Top and intermediate sections: Polyurethane insulated 26ga. steel sections, white finish.
- Bottom section: EPS foam core shielded on both sides by impact-resistant thermoplastic composite skins, 24" or 48" high, white finish. The bottom section and its hardware are designed to break free outward or inward upon impact and to be easily reset in place for continuous operation.

Joint and seal:

- The top and intermediate sections high quality galvanized steel skins are roll-formed into an exclusive tongue-and-groove joint with a true thermal break and a bubble-shaped weather seal.
- The bottom section is sealed on four sides by an airtight U-shaped seal.
- The door perimeter is sealed with triple-lip, flexible PVC weather seal, retained in an extra-robust extruded aluminum retainer.

BreakFree bottom section accessories:



Hardware and electric operator:

- Hardware model 80-T (3")
- Electric operator model XTRA-LH or XTRA-H

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



24" high BreakFree bottom section

48" high BreakFree bottom section

- Bidirectional impact-resistant break-away 24" or 48" high bottom panel
- Sealed on 4 sides by an airtight U-shaped seals
- Securely locked with interior slidebolts



BreakFree door hit from the inside



BreakFree door hit from the outside



Tradition of quality

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Warranty

The Thermostop™ BreakFree polyurethane insulated top and intermediate steel sections and hardware carry a warranty of one (1) year against any defects or faulty workmanship under normal operational conditions. The polyurethane insulated top and intermediate 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.

