

Breakfree protection for all Thermostop insulated doors!

All Thermostop polyurethane foam insulated doors, Mark II (2" thick, R-18.2), Mark III (3" thick, R-24) and Mark IV (4" thick, R-32), can be equipped with the breakaway mechanism, without affecting the exterior look and the insulation performance.



1 Breakaway capability with unmatched impactability

The steel or aluminium bottom panel swings open inward & outward 110 degrees, upon impact. Standard protective high-density plastic facing on the interior side. Optional protective facing on the exterior side.

2 Uniform look for all door panels

The bottom panel, without the exterior protective facing, has the same appearance as the rest of the door.

3 Uniform insulation performance on all door panels

All door panels have a polyurethane foam core of 2", 3" or 4" and a corresponding insulation performance of R-18, R-24 or R-32. Steel skins offered in 26ga, 20ga and 16ga. Aluminium skins available in 24ga and 16ga.

Technical specifications

Section 08 34 19 Industrial Doors

General

Wind load design criteria

When the Breakfree bottom panel is locked on both sides, the door withstands a wind load of 21psf (velocity of 90.5 miles/hour) with a maximum horizontal deflection of 1/120 of opening width.

Door

Reference product

Thermostop Tradition Mark II-266 (2" thick) steel door, Thermostop Energex Mark III-266 (3" thick) or Thermostop Energex Mark IV-266 (4" thick) steel doors, equipped with the Breakfree 24" or 48" bottom panel, as manufactured by Thermostop Inc., www.thermostop.com

Breakfree bottom panel

Bottom panel, 24" or 48" high, capable of breaking away inward and outward a full 110 degrees. It is protected from impact, on the interior side and on the exterior side (optional), with a high-density impact-resistant plastic facing.

Insulation and thickness

All door panels have a rigid CFC-free polyurethane insulation core, foamed-in-place under high pressure:

- 2" thick, R-18, Tradition Mark II-266 model
- 3" thick, R-24, Energex Mark III-266 model
- 4" thick, R-32, Energex Mark IV-266 model

Metal skins and color

26ga galvanized steel. White color.

Options: - steel skins : 20ga and 16ga
- aluminium skins : 24ga and 16ga

Hardware

Model 80-T 3" hardware

For more hardware options, please consult the

Hardware – Thermostop Industrial Doors brochure

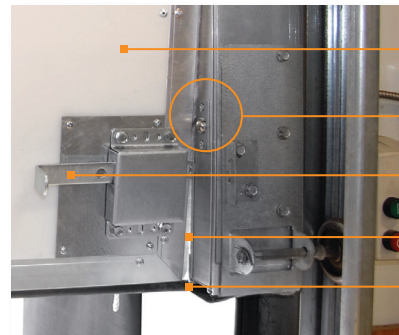
Electrical operator and accessories

Model XTRA-H or XTRA-HHD

For more electrical operator options, please consult the **Operators – Thermostop Industrial Doors** brochure

Breakfree bottom section features

- Ball Latch Reset System: holds the Breakfree panel in place and allows for easy resetting after impact
- Replaceable brush seal on all 3 sides of the Breakfree panel
- High density impactable plastic facing for interior side and exterior side (optional)



High density plastic facing, white color

Ball Latch Reset System

Standard security slide bolt

Replaceable brush seal on all 3 sides

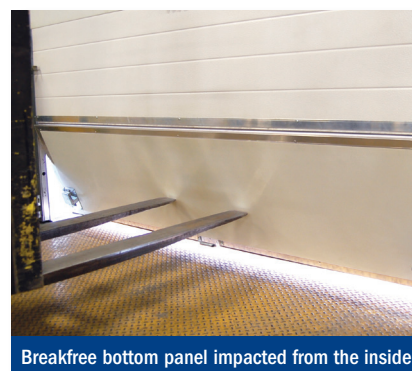
Bottom U-shaped seal



- Panel breaks free on impact a full 110 degrees in both directions

48" high Breakfree bottom panel

24" high Breakfree bottom panel



Breakfree bottom panel impacted from the inside



Breakfree bottom panel impacted from the outside



Tradition of quality

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Warranty

The Thermostop polyurethane insulated door, equipped with the Breakfree mechanism, and its hardware carry a warranty of one (1) year against any defects or faulty workmanship. The polyurethane insulated 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.