

Thermatite MR

Sectional Insulated Steel Doors

Featuring
the T150 MR, T175 MR



5100 Timberlea Blvd., Mississauga, Ontario L4W 2S5

Tel: (905) 625-0037 • Fax: (905) 625-0057

www.rwdoors.com



Richards-Wilcox
Canada

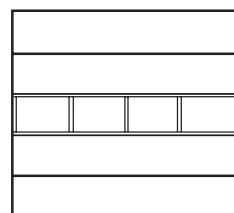
Thermatite T150 MR/T175 MR



“Utilizing the *latest* in polyurethane technology, we’ve attained the *highest ‘R’-value*, per inch, of all competitive insulations, as well as providing superior adhesion and structural integrity.”

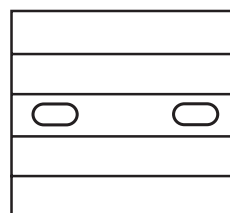
| SCHEDULES | |
|--------------------|-------------------|
| Door Opening Width | Number of Windows |
| 8' – 9' | 2 |
| 9'1" – 12'2" | 3 |
| 12'3" – 16'2" | 4 |
| 16'3" – 19'2" | 5 |
| 19'3" – 24'2" | 6 |
| 24'3" – 25'2" | 7 |
| Door Height | Sections High |
| 7'1" thru 8'1" | 4 |
| 8'2" thru 10'1" | 5 |
| 10'2" thru 12'1" | 6 |
| 12'2" thru 14'1" | 7 |
| 14'2" thru 16'1" | 8 |
| 16'2" thru 18'1" | 9 |

Full Vision



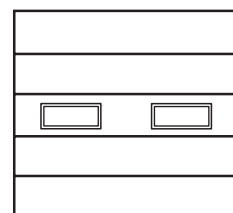
Full vision glazing section with 12.7mm (1/2") thick insulating glass, finish white or aluminum.

Type AA



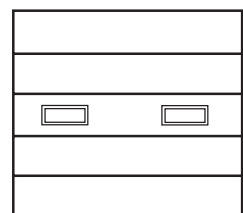
610 x 305mm (24" x 12") dual acrylic thermal set in moulded gasket.

Type E



610 x 305mm (24" x 12") clear float glass sealed unit set in moulded frame.

Type CPL



610 x 203mm (24" x 8") clear float glass sealed unit set in moulded frame.

Bulb seals between sections

Continuous steel reinforcement for hardware attachments

Flexible top seal (optional)

Stucco embossed prefinished steel

Polyurethane Neufoam™ core

Stucco embossed rib reinforced prefinished exterior skin

16 GA galvanized end caps

Thermal break top and bottom

Bulb seals between sections

Bulb weatherstrip

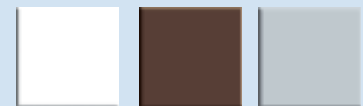
| Comparative Chart | | T150 | T175 |
|--|-------------------|--------|--------|
| Commercial & multi-tenanted | | ✓ | ✓ |
| Firehall Ambulance | | ✓ | ✓ |
| Industrial Warehousing & Manufacturing | | ✓ | ✓ |
| Transit Facilities Truck Terminals | | ✓ | ✓ |
| Mining Pulp & Paper | | | ✓ |
| Underground Parking | | | ✓ |
| High Security | | | ✓ |
| Refrigeration | | | ✓ |
| Door Characteristics | Standard Finishes | | |
| | Insulated | ● | ● |
| | 'R' Value | 14.2 | 16.4 |
| | White | ● | ● |
| | Brown | ◆ | ◆ |
| Appear. | Silver | ◆ | ◆ |
| | Multi-Ribbed | ● | ● |
| Recomm. | Max Width | 20'-2" | 36'-2" |
| | Max ft² | 288 | 576 |

LEGEND

✓ Suitable ● Standard ◆ Optional

COLOURS

White, Brown, Silver



"With Thermatite, Richards-Wilcox has become a proven leader and world reknown manufacturer of energy efficient industrial and commercial sectional overhead doors."



- > Very rigid, energy saving and long-lasting door system.
- > High strength to weight ratio.
- > Qualifies for a range of applications to suit any application or size you require.
- > Produced on a continuous polyurethane production line utilizing the latest in rigid foam technology.
- > Distinctive profile for the most discerning buyer

Thermatite T150 MR/T175 MR

HARDWARE SPECIFICATIONS FOR INDUSTRY STANDARD 50mm (2") TRACK

Finish:

- All door face hardware, tracks and track mounting hardware and torsion assembly mounting brackets - hot-dip galvanized with 380g/sq.m. (1.25 oz/sq.ft.) zinc coating to - ASTM A525 - 9 lb.

Track:

- 2.0mm (14ga) commercial galvanized track, formed track 54mm (2 1/8") overall outside dimension. Vertical tracks sloped for weather tight closing; curves 305mm (12") or 400mm (16") radius, selection dependant on available headroom.

Track Brackets:

- 3.1 mm (11 ga) thick commercially galvanized steel, rib reinforced.

Continuous Track Angle (optional at additional cost):

- Continuous track angle bolted adjustable type, fabricated from 2.3mm (13ga) commercially galvanized steel full height of the opening fully adjustable for weathertight seal. Continuous angle for continuous track support full opening height.

Track Hangers:

- Min. 32 x 32mm (1 1/4" x 1 1/4") x 2.0mm (14ga) thick commercially-galvanized perforated steel angles.

Rollers:

- Steel rollers 48mm (1 7/16") diameter with ten 6mm (1/4") diameter ball bearings, 11mm (7/16") diameter roller axles and inner and outer ball races of hardened steel.

Linear Roller Brackets:

- Fabricated from 2.7mm (12ga), or 1.9mm (14ga) thick commercially zinc-plated steel.

Counter Balance:

- Helically wound torsion springs, manufactured from oil tempered spring wire, stress relieved, minimum 10,000 cycles. Aluminum diecast grooved drums and flexible, galvanized aircraft cables, 7x19 construction, mounted on 25mm (1") tubular steel, 2.0mm (14ga) min or 25mm (1") CRS solid shaft keyed full length and mounted on ball bearings.

Locking:

- Interior slide bolt.

HARDWARE SPECIFICATIONS FOR INDUSTRY STANDARD 75mm (3") TRACK

Finish:

- All door face hardware, tracks and track mounting hardware and torsion assembly mounting brackets - hot-dip galvanized with 380g/sq.m. (1.25 oz/sq.ft.) zinc coating to - ASTM A525 - 9 lb.

Track:

- 2.75mm (12ga) commercial galvanized track, formed track 80mm (3 1/8") overall outside dimension. Vertical tracks sloped for weather tight closing, 400mm (16") radius.

Track Brackets:

- 3.1 mm (11 ga) thick commercially galvanized steel, rib reinforced.

Continuous track angle (optional at additional cost):

- Continuous track angle bolted adjustable type, fabricated from 2.3mm (13ga) commercially galvanized steel full height of the opening fully adjustable for weathertight seal. Continuous angle for continuous track support full opening height.

Track Hangers:

- Min. 32 x 32mm (1 1/4" x 1 1/4") x 2.0mm (14ga) minimum commercially-galvanized perforated steel angles.

Rollers:

- Steel rollers 73mm (2 7/8") diameter with ten 8mm (5/16") diameter ball bearings, 11mm (7/16") diameter roller axles and inner and outer ball races of hardened steel.

Linear Roller Brackets:

- Fabricated from 2.7mm (12ga), or 1.9mm (14ga) thick commercially zinc-plated steel.

Counter Balance:

- Helically wound torsion springs, manufacture from oil tempered spring wire, stress relieved, minimum 10,000 cycles. Aluminum diecast grooved drums and flexible, galvanized aircraft cables, 7x19 construction, mounted on 25mm (1") tubular steel, 2.0mm (14ga) min or 25mm (1") or 32mm (1 1/4") CRS solid shaft keyed full length and mounted on ball bearings.

Locking:

- Interior slide bolt.

T150 MR & T175 MR SECTIONAL INSULATED STEEL DOORS

Sections:

- Insulated sections fabricated from prepainted, hotdip galvanized, steel sheet; with Neufoam™ polyurethane insulation core, HCFC and CFC-free, face sheet stucco embossed with multi-rib profile.
- Sections thermally broken, steel-polyurethane-steel sandwich formed by continuous process.
- Sections formed with shiplapped joint.
- 16mm (16ga) galvanized steel endcaps.
- Face sheet thickness: **T150** – 0.40mm (0.016")
T175 – 0.48mm (0.019")
- Section thickness: **T150** – 38mm (1 1/2")
T175 – 45mm (1 3/4")
- Thermal values of sections: **T150** – RSI=2.51 (R=14.25);
USI=0.40 (U=0.07)
K=0.0151 (0.105)
T175 – RSI=2.84 (R=16.4);
USI=0.34 (U=0.06)
K=0.0154 (0.107)

Reinforcement:

- Continuous internal reinforcement for hardware mounting.

Weatherstripping:

- Neoprene bulb weatherstrip with continuous retainer full width of bottom of door.
- Two bulb seals between sections.

Finish:

- Two coat, baked-on paint system on exterior side, primer and polyester finish coat (White, Brown or Silver).

Hardware:

- Refer to hardware article.

Design:

- Door design to meet industry-standard windload.

OPTIONS FOR THERMATITE

Glazing:

- Full vision glazing section with 12.7mm (1/2") thick insulating glass, finish white or aluminum.
- AA- 610 x 305mm (24" x 12") dual acrylic thermal set in moulded gasket.
- E- 610 x 305mm (24" x 12") clear float glass sealed unit set in moulded frame.
- CPL- 610 x 203mm (24" x 8") clear float glass sealed unit set in moulded frame.

OTHER OPTIONS

- Combination PVC step plate and lift handle.
- Exhaust port 75mm (3"), 100mm (4") diameter.
- Neoprene top weatherstrip for full width of door.
- Pass doors: 813mm x 2032mm (32" x 80") Four section pass door available in doors up to 4623mm (16' 2") wide.

Distributed By:



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5100 Timberlea Blvd.
Mississauga, Ontario L4W 2S5
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