Richards-Wilcox
Sectional Overhead Doors

SINCE 1912

RESURGAM CITY OF PORTLAND, MAINE

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 06/10/13

Thermatite T175-MR

- Environmentally friendly, CFC-free and HCFC-free polyurethane Neufoam technology ensures that Thermatite is one of the most energy efficient door systems in the world.
- Thermatite is a very rigid, energy saving and long-lasting door system with a high strength-to-weight ratio. It qualifies for a range of applications.
- Produced on a continuous polyurethane production line, utlilizing the latest in rigid foam technology.
- The Thermatite product line is stocked in over one hundred engineering and manufacturing centers throughout the world, facilitating immediate delivery for new installations, retrofit and individual door section replacements of any size.
- A well-established network of installing and servicing dealer distributors.

Comparative chart for this and relative products

	Commercial & Multi-Family	Retail & Assembly	Warehouse, Industrial & Agricultural	Truck Terminals & Truck Terminals	Wash Bay & Paint	Underground Parking	High Security	Anodized	Door Characteristics									
											Standard Finishes				Pattern		Recomm.	
										R Value	White	Brown	Silver	Plum	Tudor	Mini Rib	Max Width	Max Ht.
Rollite	●		●	●						N/A	●				●		16'-0"	288
T25-MR	●	●	●	●	●	●	●	●	●	12.2	●		●			●	20'-2"	288
T150-MR	●	●	●	●					●	14.2	●	○	●	●		●	29'-4"	288
T175-MR	●	●	●	●	●	●	●		●	16.4	●	○	●			●	36'-2"	576
T175-20			●	●	●		●		●	16.4	●			●			36'-2"	336
ADV200-MR	●	●	●	●	●	●	●	●	●	18.5	●	●	●			●	30'-2"	576

Legend
- ● Suitable
- ● Standard
- ○ Optional

* "R" value and "U" values are based on testing to the ASTM C518 standard.
Richards-Wilcox can custom engineer doors to sizes greater than the above chart. Please contact your nearest RW distributor or the customer service department at (905) 826-0037 for product recommendations.

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T175-MR Sectional Insulated Steel Door Specifications

Utilizing the latest in polyurethane technology, Thermatite doors attain the highest 'R' value per inch of all competitive insulations, as well as providing superior adhesion and structural integrity.

Schedules

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

Door Opening Width	# 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

Window and Glaze Options

Type AA

660 x 330mm (26" x 13") sealed acrylic unit set in molded frame.

Type E

610 x 330mm (24" x 12") sealed glass unit set in molded frame.

Type B or CPL

B-610 x 152mm (24" x 6") or CPL-610 x 203mm (24" x 8") sealed glass unit set in molded frame.

Type D

Custom size 864 x 407mm (34" x 16") sealed glass unit set in molded frame.

Full Vision

Full vision glazing section with 3mm (1/8") x 6mm (1/4") single glass or 13mm (1/2") thermal glass. Finish: white, mill or clear anodized.

Sectional Details:

Sections:

- Insulated sections fabricated from pre-painted, hot dip galvanized steel sheets, steel-polyurethane-steel sandwich, foamed in place on continuous process with CFC and HCFC-free rigid polyurethane insulation.
- Section features thermal breaks and incorporates factory installed continuous dual seals, face sheet features non-repeating random stucco texture. Multi-Ribbed profile and ship lap joints.
- Thermatite sections are manufactured using the latest Neufoam technology that is environmentally friendly and zero-ozone depleting.
- The foaming process renders cavity-free panels with higher thermal resistance "R" value as well as providing superior foam steel adhesion and exceptional structural integrity.
- Face sheet thickness: 0.48mm (0.019")
- Section thickness: 45mm (1 3/4")
- Thermal values of sections: RSI=2.84 (R=16.4); USI=0.34 (U=0.06) k=0.0154 (0.107)

Reinforcement:

- Continuous internal reinforcement for hardware mounting.

End Caps:

- 1.6mm (16ga) galvanized steel

Weatherstripping:

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

Hardware:

- Refer to hardware article.

Design:

Door designed to meet or exceed DASMA 102 standard.

Finish:

- Two-coats of baked-on paint system, primer and polyester in Brown, Silver or White finish.

Accessories (Optional):

- Combination PVC step plate and lift handle.
- Exhaust port 75mm (3"), 100mm (4") diameter.
- Neoprene top weatherstrip for full width of door.
- Aluminum end stiles with full height jamb seal.
- Pass Doors: 813mm x 2032 (32" x 80"). Four Section Pass Doors: up to 4928mm (16'-2") wide.

Pass Doors:

- 813 x 2032 mm (32" x 80").
- Four section pass doors up to 4928mm (16'-2") wide.

Distributed By:
Door Tech, LLC
921 N. Tina Lane, Palmer, AK 99645
Ph: 907-746-3900

Specifications subject to change without notice.

KAMCO STEEL INSULATED SWINGING . 140