

# THERMOSPAN® 150

INSULATED SECTIONAL STEEL DOORS



## INSULATED SECTIONAL STEEL DOORS FOR EFFICIENCY AND STRENGTH

Wayne Dalton's Thermospan® 150 polyurethane-insulated door features excellent thermal efficiency as well as strength, rigidity and durability.

The Thermospan® Series doors are the only doors in the industry with patented, roll-formed integral struts on each section, making them the most rigid doors available.

- » EXCELLENT THERMAL QUALITIES (R-VALUE\* = 14.16, U-VALUE = 0.07)
- » STANDARD SIZES UP TO 26'2" WIDE AND 20'1" HIGH
- » COMMERCIAL/INDUSTRIAL DURABILITY
- » INTEGRAL STEEL STRUTS FOR SUPERIOR STRENGTH

# THERMOSPAN® 150

## STANDARD FEATURES OVERVIEW

### THERMAL EFFICIENCY

R-VALUE*	14.16
U-VALUE*	0.07
THERMAL BREAK	Thermoplastic adhesive with rubber seal
AIR INFILTRATION**	.23 cfm/ft <sup>2</sup> at 25 mph (4.20 m <sup>3</sup> /hr/m <sup>2</sup> at 24 kmph)

\*\*Thermospan® 150 meets IECC® requirements for maximum U-factor of operable fenestrations and ASHRAE 90.1 and IECC® requirements for maximum air leakage of fenestration assemblies.

### CONSTRUCTION

MAX HEIGHT	20'1" (6,126 mm)
MAX WIDTH	26'2" (7,986 mm)
SECTION THICKNESS†	1-1/2" (38 mm)
INTEGRAL STRUTS	Two 1-3/4" roll-formed struts per section
EXTERIOR STEEL	.012" (.305 mm)
INTERIOR PER SECTION	Roll formed with two 1-3/4" integral struts sealed with polypropylene rib caps
STANDARD SPRINGS	10,000 cycles

### FINISH OPTIONS

INTERIOR	White
EXTERIOR	White, Tan, Brown, Gray

### CODES AND ASTM STANDARD CLASS

STC (ASTM E 413)	Class 22
OITC (ASTM E 1332)	Class 19
ASTM E 84	Class A
UBC 17-5	Meets
ASTM D 1929	Flash ignition = 734° F, Self ignition = 950° F

### WARRANTY

TERMS	Ten (10) years against cracking, splitting, rust deterioration and delamination. One (1) year against defects in material and workmanship
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### OPTIONS

- Vision lites
- Aluminum full-view sections
- Chain hoist operation
- Motor operation
- Sensing edges
- Photo eyes
- High cycle spring (25k, 50k, 100k)
- 3" track option
- Solid shafts
- Perimeter weatherseal
- Special track designs
- Mullions

†Thickness measured at heavy-duty end stiles.

\*Wayne Dalton uses a calculated door section R-value and U-value for our insulated doors.

**Thermospan® 150 offers strength, rigidity, longer life and energy efficiency at a highly competitive price.**

The Thermospan® 150 features two patented 1-3/4" integral roll-formed struts per section providing the highest strength-to-weight ratio.

### MATERIALS AND CONSTRUCTION

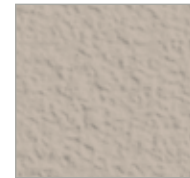
Innovative thermal break that keeps the interior skin at room temperature, preventing condensation and frost and thereby resisting corrosion. Flexible vinyl bulb seal and non-corrosive polymer retainer prevent water and air infiltration at the bottom of the door.

Reinforcement plates are located at all hardware attachment locations. Industry standard commercial-grade, heavy-duty, hot-dipped galvanized hardware also contribute to the long service life of this door.

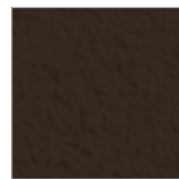
### FINISH OPTIONS



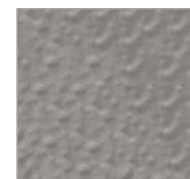
White Embossed Stucco



Tan Embossed Stucco



Brown Embossed Stucco



Gray Embossed Stucco



Thermospan® 150 is available with the TruChoice® Color System, Wayne Dalton's custom painting process that offers more than 6,000 colors. See dealer for details.

# SECTIONAL STEEL DOORS



## LITE OPTIONS



Vision lites



Full-view lites

## DOOR CONSTRUCTION

**Thermal break** — separates inner and outer skins at top and bottom so virtually no heat or cold is conducted through the section.

**Flush door embossed pinstriping** (grooves) on outer skin adds strength and non-repeating random stucco exterior enhances appearance.

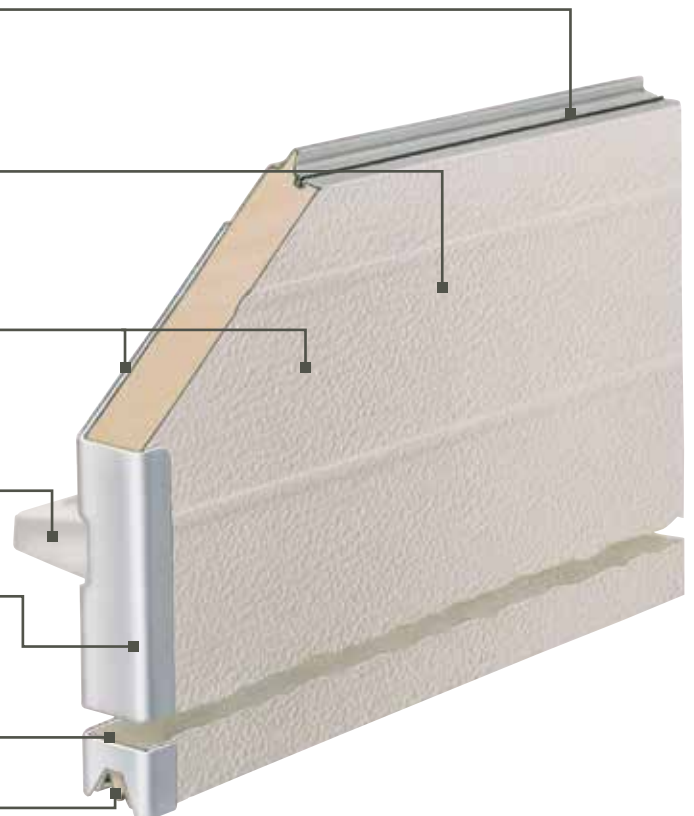
**Pre-painted inner and outer skins** for added corrosion-resistance. Both skins are hot-dipped galvanized steel for further protection against corrosion.

**Integral struts** — Two 1-<sup>3</sup>/<sub>4</sub>" roll-formed struts per section add rigidity and strength.

**18-gauge wrap-around** end caps offer interior hinge attachment surface and ensures proper seal against jamb.

**Solid polyurethane** core adds to insulating efficiency.

**Joint seal** — prevents air infiltration and improves thermal efficiency.



Wind load options available



## GENERAL OPERATING CLEARANCES

TYPE	HEADROOM		SIDEROOM		DEPTH INTO ROOM	CENTER LINE OF SPRINGS	
	2" TRACK	3" TRACK	2" TRACK	3" TRACK	2" AND 3" TRACK	2" TRACK	3" TRACK
Standard Lift Manual 12" R	13"-17"	NA	4.5"	5.5"	Opening Height +18"	Opening Height +12"	N/A
Standard Lift Manual 15" R	15"-20"	16"-21"				Opening Height +13"	Opening Height +14"
Standard Lift Motor Oper. 12" R	15"-20"	NA			Opening Height +66"	Opening Height +12"	N/A
Standard Lift Motor Oper. 15" R	15"-20"	18"-24"				Opening Height +13"	Opening Height +14"
High Lift Manual	High Lift +12"		24" One Side		Opening Height -Lift +30"	Opening Height +Lift +6.5"	Opening Height +Lift +7.5"
High Lift Motor Oper.							
Vertical Lift Manual	Door Height +20"		4.5"	5.5"	18"	Double Door Height +13"	
Vertical Lift Motor Oper.			24" One Side				
Low Headroom Manual	6"-15"	6"-15"	6"	9"	Opening Height +20" to -26"	N/A	
Low Headroom Motor Oper.	9"-17"	9"-17"			Opening Height +66"		

### NOTES:

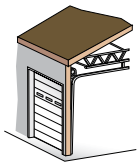
- 1) Springs must be rear mount to achieve minimum headroom listed. Front mount torsion headroom depends on drum size, and varies over the range listed.
- 2) 8" side-room required, one side, for doors with chain hoist.
- 3) Headroom for standard lift depends on drum size, and varies over the range listed.

## PANEL/SECTION SELECTION GUIDE

DOOR WIDTH	NUMBER OF PANELS	NUMBER OF LITES	DOOR HEIGHT	NUMBER OF SECTIONS
Up to 9'2"	2	2	Up to 8'1"	4
9'3" to 12'2"	3	3	8'8" to 10'1"	5
12'3" to 16'2"	4	4	10'5" to 12'1"	6
16'3" to 19'2"	5	6	12'2" to 14'1"	7
19'3" to 24'2"	6	7	14'2" to 16'1"	8
24'3" to 26'2"	7	7	16'2" to 18'1"	9
			18'2" to 20'1"	10
			20'2" and Up	Call Factory

For assistance from the factory, please call 800-827-3667

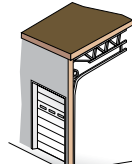
## TRACK SELECTION GUIDE



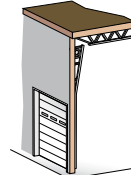
**STANDARD LIFT**



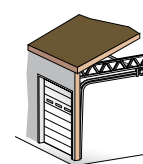
**HIGH LIFT**  
break-away is standard, straight incline is available



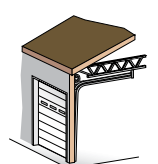
**ROOF PITCH**  
standard or high lift



**VERTICAL LIFT**  
break-away is standard, straight incline is available



**LOW HEADROOM**  
rear mount torsion



**LOW HEADROOM**  
front mount torsion



## Architect Resource Center

Visit [wayne-dalton.com/architect-resource-center](http://wayne-dalton.com/architect-resource-center) to find our Architect Resource Center. In this tool, you will quickly find all of the specifications, drawings and documents you need to complete your project.

**Wayne Dalton**  
COMMERCIAL DOORS

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