

THERMOSPAN[®]

150

INSULATED SECTIONAL STEEL DOORS



WAYNE DALTON COMMERCIAL 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.

*Wayne Dalton uses a calculated door section R-value for our insulated doors

- ▶ 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



INSULATED SECTIONAL STEEL DOOR

Standard Features Overview

THERMAL EFFICIENCY

R-value*	14.16
U-value	0.07
Thermal Break	Thermoplastic adhesive with rubber seal
Air Filtration	.23 cfm/ft ² at 15 mph (4.20 m ³ /hr/m ² at 24 kmph)

CONSTRUCTION

Max Width	26'2" (7986 mm)
Max Height	20'1" (6126 mm)
Section Thickness	1 3/8" (35 mm)
Integral Struts	Two 1 3/4" roll-formed struts per section
Exterior Steel	.009 (.228 mm) 27-gauge
Interior Per Section	Roll formed with two 1 3/4" integral struts sealed with polypropylene rib caps
Standard Springs	10,000 cycles

COLOR OPTIONS

Interior Color	White
Exterior Color	White, Tan, Brown, Gray Optional: Kynar White, Kynar Brown, Kynar Beige

CODES AND ASTM STANDARD CLASS

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

WARRANTY

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

Options

- Pass door
- 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
- TruChoice™ Color System

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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 the Thermospan® 150.

Color Options



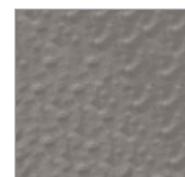
White Embossed Stucco Finish



Tan Embossed Stucco Finish



Brown Embossed Stucco Finish



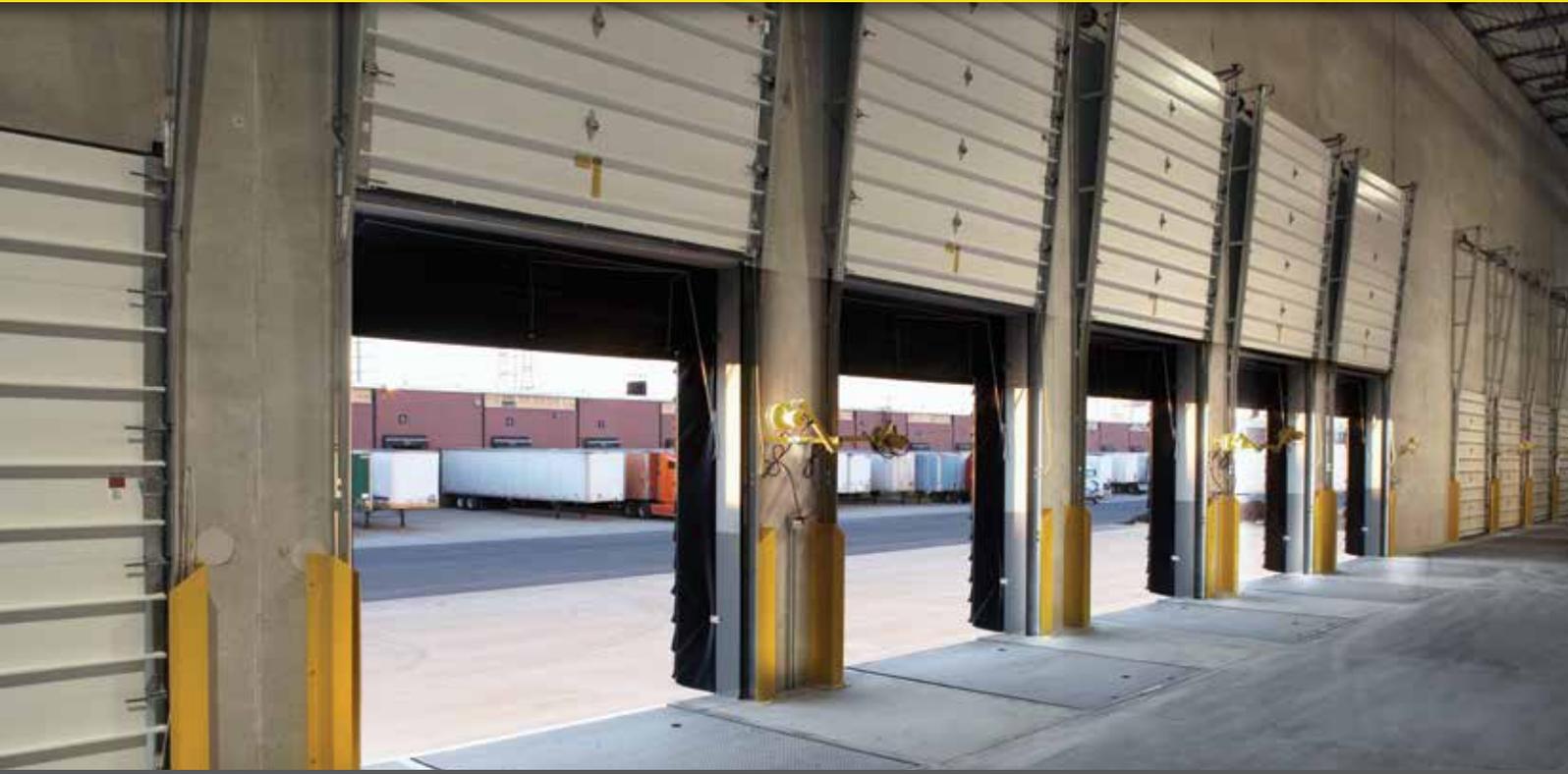
Gray Embossed Stucco Finish

Optional Colors: Kynar White, Kynar Brown, Kynar Beige



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.

THERMOSPAN[®] 150



Lite Options



Vision lites



Full-view lites

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 pinstripping

(grooves) on outer skin adds strength and non-repeating random stucco exterior enhances appearance.

Prepainted inner and outer skins

for added corrosion-resistance. Both skins are hot-dipped galvanized steel for further protection against corrosion.

Integral struts

Two 1 3/4" roll-formed struts per section add rigidity and strength.

18-gauge wrap-around

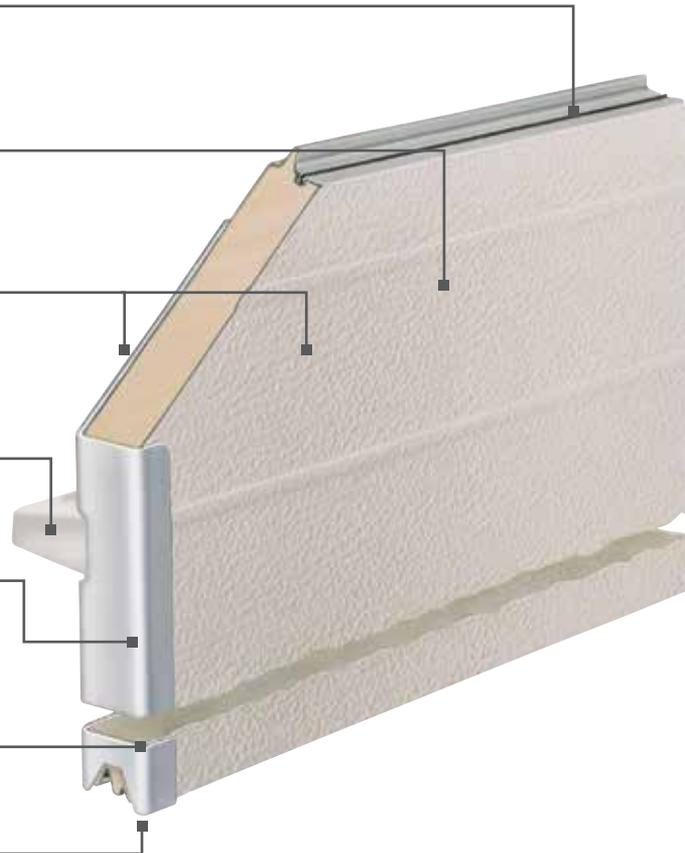
end caps offer interior hinge attachment surface and exterior leg for proper seal against jamb.

Solid polyurethane

core adds to insulating efficiency.

Joint seal

prevents air infiltration and improves thermal efficiency.



General Operating Clearances

Type	Headroom***		Sideroom**		Depth into Room	Center Line of Springs	
	2" Track	3" Track	2" Track	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"		

*For low headroom, springs must be rear mount to achieve minimum headroom listed. Front mount torsion headroom depends on drum size, and varies over the range listed. See approval drawing.

Panel/Section Selection Guide

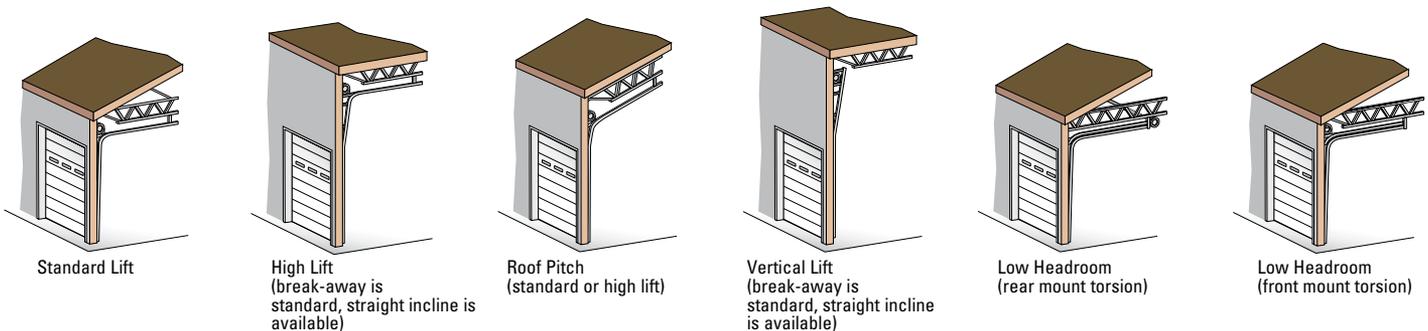
Door Section and Lite Selection			Door Height and Section Selection	
Door Width	Number of Panels	Maximum Number of Lites	Door Height	Number of Sections
Up to 9'2"	2	2 or 3	Up to 8'1"	4
9'3" to 12'2"	3	3 or 4	8'8" to 10'1"	5
12'3" to 16'2"	4	4 or 5	10'5" to 12'1"	6
16'3" to 19'2"	5	6	12'2" to 14'1"	7
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

**Side-room of 8" required, one side, for doors with chain hoist.

***Headroom depends on drum size, and varies over the range listed. See approval drawing.

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

Track Selection Guide



FOR TECHNICAL INFORMATION, VISIT WWW.WAYNE-DALTON.COM/COMMERCIAL

Architect Resource Center

www.wayne-dalton.com/commercial

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