



# THERMOSPAN<sup>®</sup> 200-20

INSULATED SECTIONAL STEEL DOORS



## WAYNE DALTON COMMERCIAL DOORS

### Insulated flush doors provide excellent value

Thermospan<sup>®</sup> 200-20 offers premium thermal efficiency combined with a heavy-duty 20-gauge flush exterior surface. Featuring continuous foamed-in-place insulation and a non-conductive thermal break between the inner and outer skins, the Thermospan<sup>®</sup> 200-20 provides a U-value of .057 and an R-value of 17.50, making it the ideal door for energy-conscious architects, engineers, contractors, and building owners.

The Thermospan<sup>®</sup> 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.

- PREMIUM THERMAL QUALITIES  
(R-VALUE = 17.50, U-VALUE = 0.057)
- STANDARD SIZES UP TO  
24' 2" WIDE AND 16' 1" HIGH
- INDUSTRIAL/COMMERCIAL DURABILITY
- SMOOTH, FLUSH EXTERIOR FINISH
- INTEGRAL STEEL STRUTS  
FOR SUPERIOR STRENGTH
- 25K CYCLE SPRINGS STANDARD



### Standard Features Overview

#### THERMAL EFFICIENCY

<b>R-value*</b>	17.50 (3.09 K m <sup>2</sup> /W)
<b>U-value</b>	0.057 (.324 W/K m <sup>2</sup> )
<b>Thermal Break</b>	Thermoplastic adhesive with rubber seal
<b>Air Filtration</b>	.07 cfm/ft <sup>2</sup>

#### CONSTRUCTION

<b>Section Thickness</b>	2" (51 mm)
<b>Integral Struts</b>	Two 1-3/4" struts per section for strength and rigidity
<b>Max Width</b>	24'2" (4902 mm)
<b>Max Height</b>	16'1" (7366 mm)
<b>Exterior Steel</b>	20-gauge
<b>Interior per section</b>	Roll formed with two 1-3/4" integral struts sealed with polypropylene rib caps
<b>Standard Springs</b>	10,000 cycles
<b>Interior Color</b>	White
<b>Exterior Color</b>	White

#### Codes and ASTM Standard Class

<b>STC (ASTM E 413)</b>	Class 22
<b>OITC (ASTM E 1332)</b>	Class 19
<b>ASTM E 84</b>	Class A
<b>UBC 17-5</b>	Meets
<b>ASTM D 1929</b>	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
- TruChoice™ Color System
- Photo eyes
- High cycle spring (25k, 50k, 100k)
- 3" Track option
- Solid shafts
- Perimeter weatherseal
- Special track designs
- Mullions

### The Thermospan® 200-20 excels in energy efficiency and durability.

With a U-value of .057 and a R-value\* of 17.5, this door outperforms most conventional insulated steel doors, which typically have U-values between .33 and .51.

### Materials and Construction

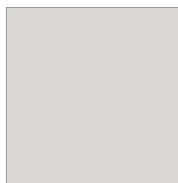
The Thermospan® 200-20 has a patented manufacturing process with a polyurethane core that is continuously foamed-in-place between the outer and inner skins.

The outer skin of the hot-dipped galvanized, structural quality steel is factory-finished with baked-on corrosion-resistant primer and a white polyester finished coat. The inner skin is also hot-dipped galvanized steel, factory-finished with the same corrosion-resistant primer and polyester finish coat.

An innovative thermal break keeps the interior skin at room temperature, preventing condensation and frost and helping to resist corrosion.

Reinforcement plates are located at all hardware attachment locations. Commercial-grade hot-dipped galvanized hardware also contributes to the this door's long service life.

### Color Options



White Smooth Flush Finish



Thermospan® 200-20 is available with the TruChoice™ Color System, Wayne Dalton's custom painting process that offers more than 6,000 colors. See dealer for details.

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

# THERMOSPAN® 200-20



## Lite Options



Vision lites



Full-view lites

### Joint seal

prevents air infiltration and saves energy.

### Thermal break

separates inner and outer skins so virtually no heat or cold is conducted through section.

Pre-painted inner and outer skins for added corrosion resistance.

### Solid polyurethane core

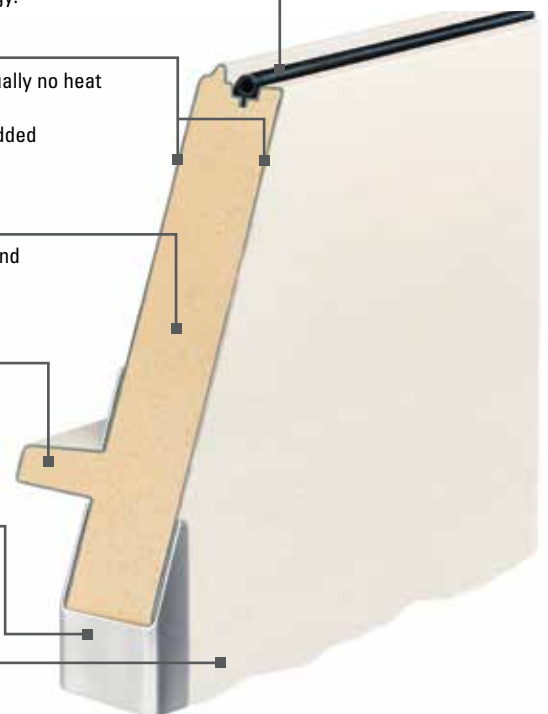
provides maximum thermal efficiency and adds to quiet operation and strength.

### Integral struts

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

### Two-inch nominal thickness.

Heavy-duty 20-gauge smooth, flush exterior skin gives the Thermospan 200-20 excellent strength qualities, ideal for large openings.



## 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:

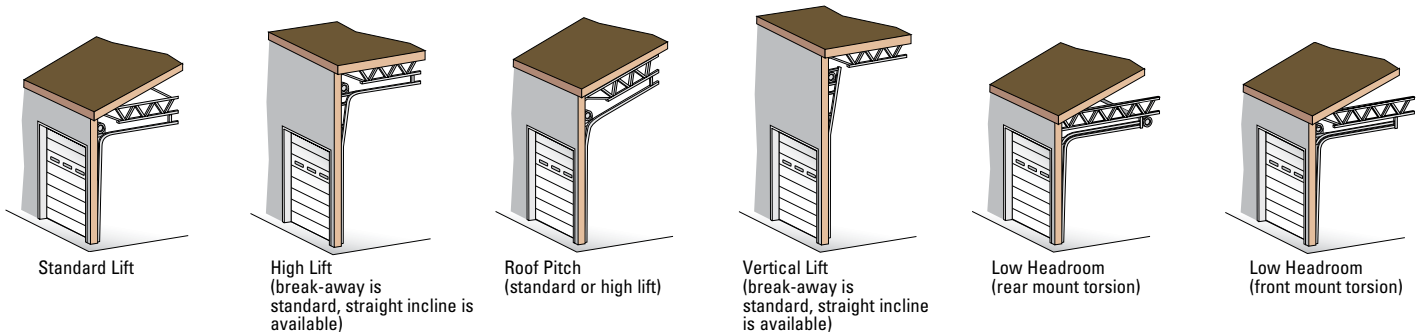
- For low headroom, springs must be rear mount to achieve minimum headroom listed. Front mount torsion headroom depends on drum size, and varies over the range listed. See approval drawings.
- Side-room of 8" required, one side, for doors with chain hoist.
- Headroom depends on drum size, and varies over the range listed. See approval drawings.

## 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	Up to 8'1"	4
9'3" to 12'2"	3	3	8'2" thru 10'1"	5
12'3" to 16'2"	4	4	10'2" thru 12'1"	6
16'3" to 19'2"	5	6	12'2" thru 14'1"	7
19'3" to 24'2"	6	7	14'2" thru 16'1"	8
24'3" and Up	Call Factory		16'2" and Up	Call Factory

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

## Track Selection Guide



FOR TECHNICAL INFORMATION, VISIT [WWW.WAYNE-DALTON.COM/COMMERCIAL](http://WWW.WAYNE-DALTON.COM/COMMERCIAL)

## Architect Resource Center

[www.wayne-dalton.com/commercial](http://www.wayne-dalton.com/commercial)

Go to [www.wayne-dalton.com/commercial](http://www.wayne-dalton.com/commercial) and click on the Architect Resource Center. Here you will quickly find all of the specifications, drawings and documents you need to complete your project.



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