Wayne Dalton™
COMMERCIAL DOORS

THERMOSPAN® 200-20

INSULATED SECTIONAL STEEL DOORS

PREMIUM THERMAL EFFICIENCY AND LOW MAINTENANCE

Thermospan® Model 200-20 offers premium thermal efficiency combined with a heavy-duty 20-gauge flush exterior surface. Continuously foamed-in-place insulation and a non-conductive thermal break between the inner and outer skins, making it the ideal door for energy-conscious architects, engineers, contractors, and building owners.

The Thermospan® Series of 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 and U-value for our insulated doors.

- » PREMIUM THERMAL QUALITIES
  R-VALUE* = 17.50
  U-VALUE* = 0.057
- » STANDARD SIZES UP TO
  24' 2" WIDE AND 16' 1" HIGH
- » RUGGED AND DURABLE
- » SMOOTH, FLUSH EXTERIOR FINISH
- » INTEGRAL STEEL STRUTS
  FOR SUPERIOR STRENGTH
- » 10K CYCLE SPRINGS STANDARD

THERMOSPAN® 200-20

STANDARD FEATURES OVERVIEW

THERMAL EFFICIENCY

R-VALUE*	17.50 (3.09 K m^2/W)
U-VALUE*	0.057 (.324 W/K m^2)
THERMAL BREAK	Thermoplastic adhesive with rubber seal
AIR INFILTRATION	.07 cfm/ft^2

CONSTRUCTION

SECTION THICKNESS	2" (51 mm)
INTEGRAL STRUTS	Two 1-3/4" struts per section for strength and rigidity
MAX HEIGHT	16'1" (7,366 mm)
MAX WIDTH	24'2" (4,902 mm)
EXTERIOR STEEL	20-gauge
INTERIOR PER SECTION	Roll formed with two 1-3/4" integral struts sealed with polypropylene rib caps
STANDARD SPRINGS	10,000 cycles
INTERIOR COLOR	White
EXTERIOR COLOR	White

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

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

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

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-resistent primer and a white polyester finished coat. The inner skin is also hot-dipped galvanized steel, factory-finished with the same corrosion-resistent 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.

TruChoice® COLOR SYSTEM

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.

Wind load options available

Wayne Dalton Certified windSAFE

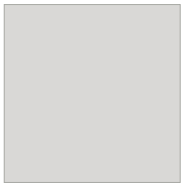
INSULATED SECTIONAL STEEL DOOR

LITE OPTIONS

Vision lites

Full-view lites

FINISH OPTIONS



White Smooth
Flush Finish

DOOR CONSTRUCTION

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.

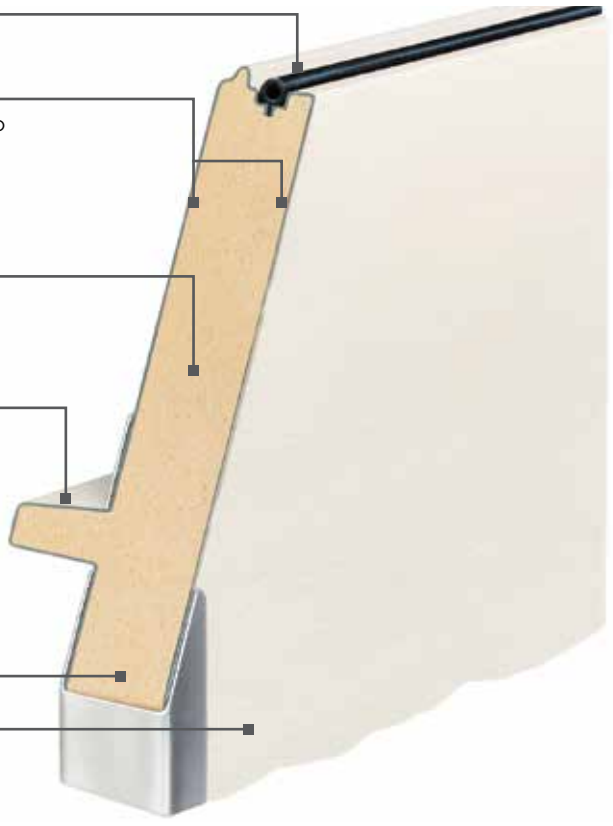
Pre-painted inner and outer skins for added corrosion resistance.

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"				Opening Height -Lift +30"	Opening Height +Lift +6.5"	Opening Height +Lift +7.5"
High Lift Motor Oper.			24" One Side				
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"		

PANEL/SECTION SELECTION GUIDE

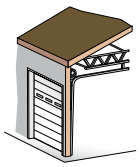
DOOR WIDTH	NUMBER OF PANELS	NUMBER OF LITES
Up to 9'2"	2	2
9'3" to 12'2"	3	3
12'3" to 16'2"	4	4
16'3" to 19'2"	5	6
19'3" to 24'2"	6	7
24'3" to 28'2"	Call Factory	

DOOR HEIGHT	NUMBER OF SECTIONS
Up to 8'1"	4
8'-2" to 10'1"	5
10'2" to 12'1"	6
12'2" to 14'1"	7
14'2" to 16'1"	8
16'2" and Up	Call Factory

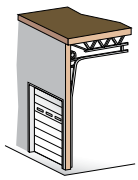
NOTES:

1. 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.
2. Side-room of 8" required, one side, for doors with chain hoist.
3. Headroom depends on drum size, and varies over the range listed. See approval drawing.

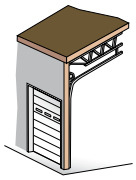
TRACK SELECTION GUIDE



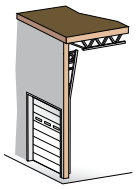
STANDARD LIFT



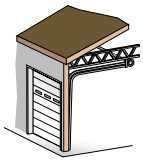
HIGH LIFT
break-away is standard, straight incline is available



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** 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.

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