

THERMOSPAN[®] 200

INSULATED SECTIONAL STEEL DOORS



PREMIUM THERMAL EFFICIENCY AND LOW MAINTENANCE

Wayne Dalton Thermospan[®] 200 provides premium thermal efficiency and low maintenance costs, resulting in a door that costs less to own.

The Wayne Dalton Thermospan[®] 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

» THERMAL BREAK

» 2 INTEGRAL STEEL STRUTS PER SECTION FOR SUPERIOR STRENGTH AND RIGIDITY

» STANDARD SIZES UP TO 32'1" HIGH AND 40'2" WIDE

» STEEL/POLYURETHANE/STEEL

» CFC AND HCFC FREE - FULLY ENCAPSULATED INSULATION

THERMOSPAN® 200

STANDARD FEATURES OVERVIEW

THERMAL EFFICIENCY

| | |
|------------------|---|
| R-VALUE* | 17.50 (3.09 W/Msq) |
| U-VALUE | 0.057 (.324 W/Msq) |
| THERMAL BREAK | Thermoplastic adhesive with rubber seal |
| AIR INFILTRATION | .07 cfm/ft2 |

CONSTRUCTION

| | |
|----------------------|--|
| SECTION THICKNESS | 2" (51 mm) |
| INTEGRAL STRUTS | Two 1-3/4" struts per section for strength and rigidity |
| MAX HEIGHT | 32'1" (9,779 mm) |
| MAX WIDTH | 40'2" (12,243 mm) |
| EXTERIOR STEEL | .015" (.35 mm) |
| INTERIOR PER SECTION | Roll formed with two 1-3/4" integral struts sealed with polypropylene rib caps |
| STANDARD SPRINGS | 10,000 cycle |
| INTERIOR COLOR | White |
| EXTERIOR COLOR | White, Tan, Brown |

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
- 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.

For those who make thermal efficiency, durability and strength a high priority, the Thermospan® 200 is the ideal choice in sectional doors.

Wayne Dalton's Thermospan® 200 features an innovative thermal break that keeps the interior skin at room temperature, preventing condensation and frost to help resist corrosion. Flexible vinyl bulb seal and non-corrosive polymer retainer prevent water and air infiltration at the bottom of the door.

MATERIALS AND CONSTRUCTION

Continuous foamed-in-place polyurethane insulation and a non-conductive thermal break between the inner and outer skins combine to provide an R-value of 17.50 and a U-value of .057.

Features two patented 1-3/4" integral roll-formed struts per section providing the highest strength-to-weight ratio.

Virtually maintenance free due to the hot-dipped galvanized steel that is factory finished with pre-painted primer and baked on finish.

Reinforcement plates are located at all hardware attachment locations. Industry standard commercial-grade, heavy-duty, hardware also contribute to the long service life of Thermospan® 200.

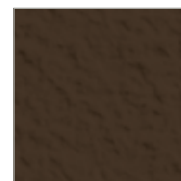
FINISH OPTIONS



White embossed stucco finish



Tan embossed stucco finish



Brown embossed stucco finish



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

INSULATED SECTIONAL STEEL DOOR



LITE OPTIONS



Vision lites



Full-view lites

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. Prepainted inner and outer skins for added corrosion-resistance.

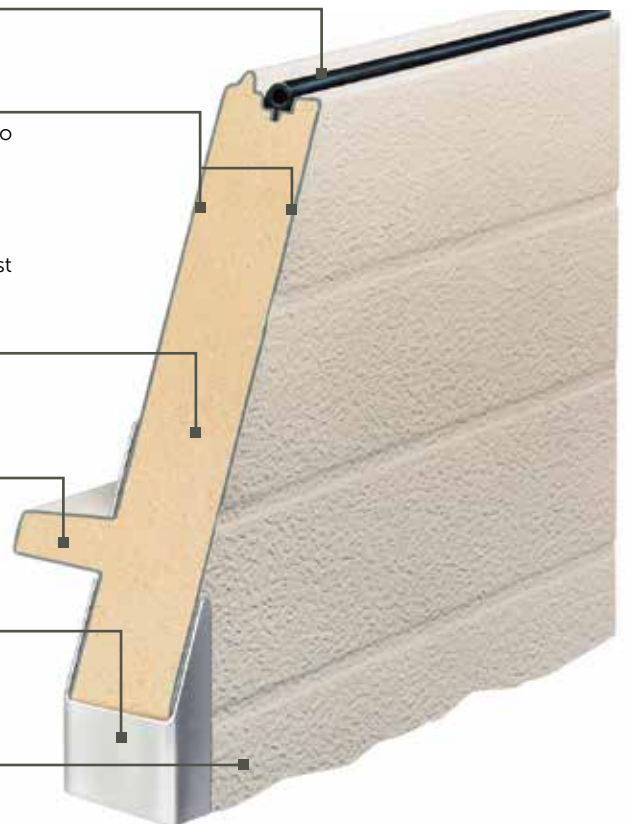
NOTE: Both skins are also hot-dipped galvanized steel for further protection against corrosion.

Solid polyurethane core — provides maximum thermal efficiency and adds to quiet operation and strength.

Integral struts — Two 1-³/₄" patented, integral roll-formed struts per section increases rigidity and strength.

Two-inch nominal thickness —

Embossed pinstripping (grooves) on Thermospan® 200's embossed stucco outer skin adds strength and enhances appearance.



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" | | |

PANEL/SECTION SELECTION GUIDE

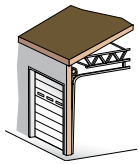
| DOOR WIDTH | NUMBER OF PANELS | NUMBER OF LITES |
|-----------------|------------------|-----------------|
| Up to 9'2" | 2 | 2 |
| 9'3" to 12'2" | 3 | 3 |
| 12'3" to 16'2" | 4 | 4 |
| 16'3" to 19'2" | 5 | 5 |
| 19'3" to 24'2" | 6 | 6 |
| 24'3" to 28'2" | 7 | 7 |
| 28'3" to 32'2" | 8 | 8 |
| 32'3" to 33'11" | 9 | 9 |
| 34'0" to 36'11" | 10 | 10 |
| 37'0" to 38'11" | 11 | 11 |
| 39'0" to 40'2" | 12 | 12 |

| DOOR HEIGHT | NUMBER OF SECTIONS |
|----------------|--------------------|
| Up to 8'1" | 4 |
| 8'-8" to 10'1" | 5 |
| 10'5" to 12'1" | 6 |
| 12'2" to 14'1" | 7 |
| 14'2" to 16'1" | 8 |
| 22'-2" and Up | Call Factory |

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.

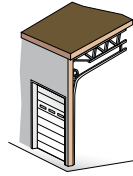
TRACK SELECTION GUIDE



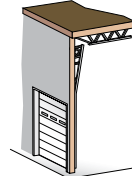
STANDARD LIFT



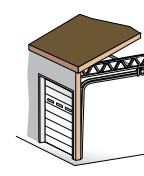
HIGH LIFT
break-away is standard, straight incline is available



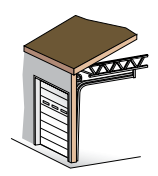
ROOF PITCH
standard or high lift



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



LOW HEADROOM
rear mount torsion



LOW HEADROOM
front mount torsion



Architect Resource Center

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Wayne Dalton
COMMERCIAL DOORS

DISTRIBUTED BY:

2501 S. State Hwy. 121 Bus., Ste 200
Lewisville, TX 75067

wayne-dalton.com

