

THERMALEX®

COMMERCIAL-INDUSTRIAL SECTIONAL OVERHEAD DOORS



The Complete Solution for Quality, Versatility and Energy Efficiency.

The Thermalex® Series from Upwardor® is a line of sectional overhead doors specifically designed for commercial and industrial applications. They're built to last and their superior quality provides high-levels of thermal efficiency making them the ideal choice for any sectional overhead door application.

KEY FEATURES AND BENEFITS:

- Designed for commercial and industrial applications.
- Environmentally friendly CFC / HCFC free foamed-in-place polyurethane insulation provides maximum R-values, excellent energy efficiency and are LEED compliant.
- Constructed from the highest-quality materials, delivers remarkable performance and durability.
- Two continuous strip hinge reinforcement (TX450, TX450-20, TX500, TX500-20) permits the use of full hinge application.
- Thermal break chemically sealed and bonded.
- Sections are fully cuttable; perfect for slabs programs.
- Design options available on some models for wind loads up to 130 mph (209 km/h)



CALL 416-635-5500 OR VISIT ALTWOODDOORS.COM



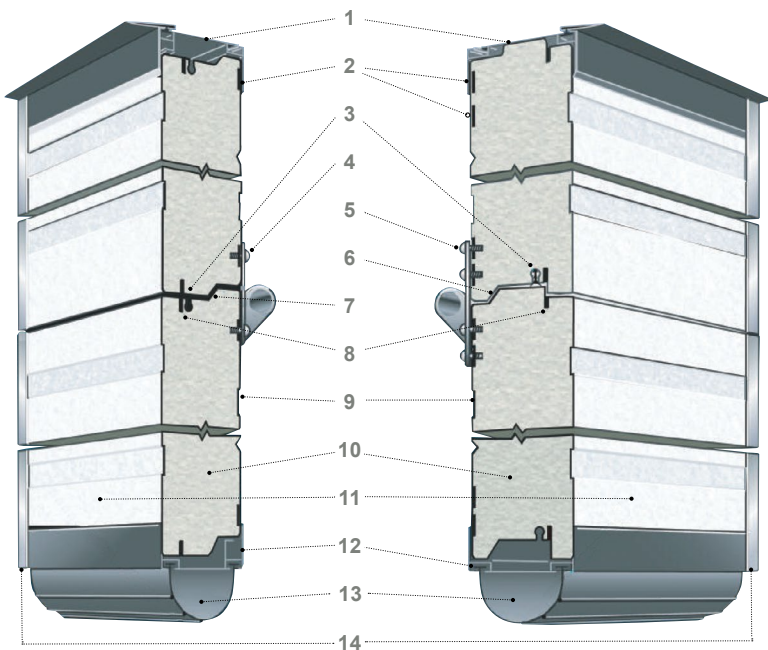
PRODUCT SELECTION GUIDE & SPECIFICATIONS

THICKNESS PRODUCT TYPE	1-1/2" (38.1mm) Insulated Foamed-In-Place	1-3/4" (44.5mm) Insulated Foamed-In-Place	1-3/4" (44.5mm) Insulated Foamed-In-Place	2" (50.8mm) Insulated Foamed-In-Place	2" (50.8mm) Insulated Foamed-In-Place
UPWARD OR MODEL #	THERMALEX TX380	THERMALEX TX450	THERMALEX TX450-20	THERMALEX TX500	THERMALEX TX500-20
PAINT/DELAMINATION WARRANTY (Finish / cracking / rust through)	5 YEAR LIMITED	10 YEAR LIMITED	10 YEAR LIMITED	10 YEAR LIMITED	10 YEAR LIMITED
HARDWARE / SPRING WARRANTY	1 YEAR	1 YEAR	1 YEAR	1 YEAR	1 YEAR
INSULATION TYPE / FOAM PROCESS	POLYURETHANE / CONTINUOUS	POLYURETHANE / CONTINUOUS	POLYURETHANE / CONTINUOUS	POLYURETHANE / CONTINUOUS	POLYURETHANE / CONTINUOUS
R-VALUE (Calculated)	14.1	16.3	16.3	18.4	18.4
THERMAL BREAK (Between exterior & interior skins)	CHEMICALLY BONDED & SEALED	CHEMICALLY BONDED & SEALED	CHEMICALLY BONDED & SEALED	CHEMICALLY BONDED & SEALED	CHEMICALLY BONDED & SEALED
SECTION JOINT	SHIPLAP w/ bubble weather seal	TONGUE AND GROOVE	TONGUE AND GROOVE	TONGUE AND GROOVE	TONGUE AND GROOVE
GAUGE STEEL SKIN (G60 Steel: exterior)	26 / 26	26 / 26	20 / 26	26 / 26	20 / 26
HINGE PLATE (Reinforcement strip)	SINGLE CONTINUOUS 1-1/4" 20ga Strip	TWO CONTINUOUS 1-1/4" 20ga Strip	TWO CONTINUOUS 1-1/4" 20ga Strip	TWO CONTINUOUS 1-1/4" 20ga Strip	TWO CONTINUOUS 1-1/4" 20ga Strip
END STILES (20ga are standard)	20ga GALVANIZED	20ga or 16ga GALVANIZED	20ga or 16ga GALVANIZED	20ga or 16ga GALVANIZED	20ga or 16ga GALVANIZED
COLOURS AVAILABLE (Interior always white)	BRIGHT WHITE / BROWN	BRIGHT WHITE / BROWN / SILVER	BRIGHT WHITE ONLY	BRIGHT WHITE ONLY	BRIGHT WHITE ONLY
PANEL APPEARANCE (Texture)	SHALLOW HORZ. RIBS (Stucco embossed)	SHALLOW HORZ. RIBS (Stucco embossed)	FLUSH (Stucco embossed)	SHALLOW HORZ. RIBS (Stucco embossed)	FLUSH (Stucco embossed)
FULL VIEW ALUMINUM SECTIONS	N/A	AVAILABLE – V130G INSUL SEALED GLASS Painted – white, brown or clear anodized	AVAILABLE – V130G INSUL SEALED GLASS Painted – white	N/A	N/A

THERMALEX®

SERIES TX380

SERIES TX450/TX500



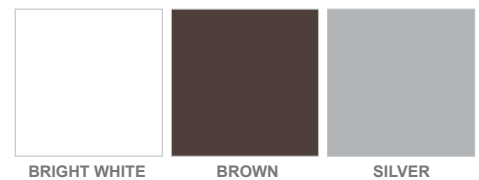
MODEL U100
closed door

MODEL R112G
with insulated
windows

MODEL V130G
with full view
sections

PASS DOOR
optional – only
available in TX450
and TX450-20

WINDOWS AVAILABLE: 18"x8", 24"x12" and 34"x16"



BRIGHT WHITE BROWN SILVER

Actual door colour will vary from colour renditions

- (1) Low temperature top retainer/seal (optional)
- (2) 20 Gauge continuous steel strip hinge reinforcement
- (3) Dual contact weather seal
- (4) Half hinge application (TX380)
- (5) Full hinge application (TX450/TX500)
- (6) Tongue & groove joint
- (7) Shiplap joint
- (8) Thermal break chemically sealed & bonded
- (9) Interior steel stucco embossed
- (10) Polyurethane core
- (11) Exterior steel stucco embossed
- (12) P.V.C. bottom retainer
- (13) Low temperature vinyl astragal
- (14) End stile with weather seal