

MS-375TC & WS-500TC

Thermal Composite Entrances— by Oldcastle BuildingEnvelope®

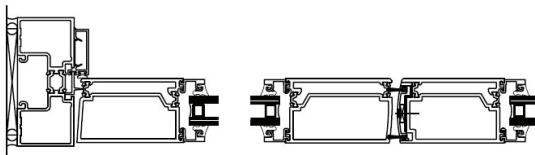
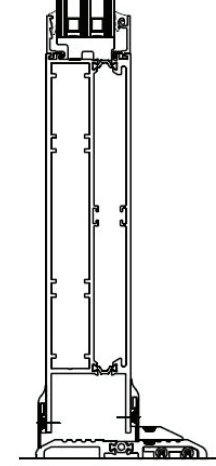
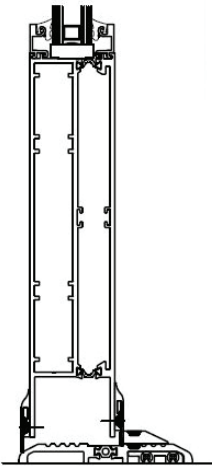
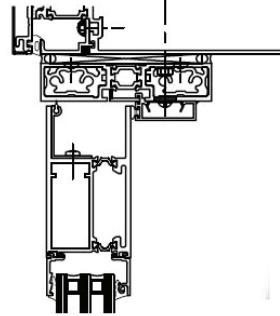
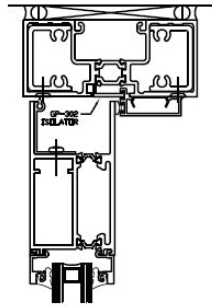


The Oldcastle BuildingEnvelope® MS-375TC and WS-500TC Thermal Composite Entrance is a high performance thermal entrance product designed to meet or exceed today's energy codes for entrances and curtain walls. The door is 2 1/4" thick and thermally broken using polyamide insulating strips. 1" insulating or 1-1/2" triple glazing may be used in the Thermal Composite Door and, when used in combination with Low-E glazing products, can match the performance of many of today's thermal curtain walls. The Thermal Composite Entrance is available as a single door, pair of doors, or in sets of singles separated by a 2 1/2" common lock mullion or 5 1/4" common hinge mullion utilizing a 1" x 4 1/2" deep sub-frame around perimeter of openings or 2" x 4-1/2" storefront frame.

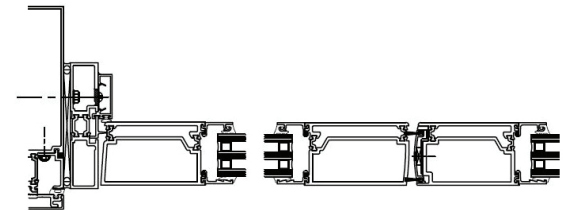
Features

- Door and Frame are thermally broken utilizing Polyamide Insulating Strips
- Medium and Wide Door stiles - 8" standard bottom rail with 10" option
- Engineered for Oldcastle BuildingEnvelope® thermal curtain wall, window wall & storefronts
- Accepts 1" insulating or 1-1/2" triple glazing infill
- Door sizing up to 4'-0" x 8'-0"
- Multiple door openings available in sets of single or pairs of doors
- Dual weathering at frame to door connections
- Thermally broken threshold
- Two-Color finishing capability

Details



Double Pane



Triple Pane

See OBE Website for All Standard Details

Performance

Test Results:

Air: 1.57 psf <.50 cfm/ft² single door or < 1.00 cfm/ft² pairs

Design: 50 psf

Forced Entry per AAMA 1304-02

AAMA 920 Cycle Test

Thermal Performance per AAMA 1503:

1" Low-E Solarban 70, 90% Argon fill with Technoform spacer:
U-factor = 0.43

1-1/2" Triple Glazed Low-E Solarban 70 (#2 and #4), 90% Argon
fill with Technoform spacer: U-factor = 0.38