



Phius Product Number: D-100074
Date Last Certified: 10/21/2025
THERM Files Available: Yes

Phius Certification Path: Orange Path
Valid Through: 10/21/2027
Air Leakage Test Data Available: No



PRODUCT INFORMATION

Product Name: Assa Abloy Trio-E Door + Mercury TB Frame

Manufacturer: ASSA ABLOY

Primary Frame Material: Steel

Series: Trio-E

Operation Category: Swinging Door

Model: Trio-E Door + Mercury TB Frame

Operation Type: Single Swinging Door

Glazed or Opaque: Opaque

RECOMMENDED CLIMATE ZONES (NOTE: This information is not for use in building energy models. See next section.)

Recommended Climate Zones and Whole-Door U-values by Zone, at Standard Model Size [Btu/hr·ft²·°F]

Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
Recommended Zones										
U-Whole-Door	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39

Modeled Size [W × H] 37.80" × 82.28" **SHGC, Whole Door:** 0.00 **Condensation Resistance:**

COMPONENT-LEVEL PERFORMANCE DATA [IP Units] | *Compatible with building energy modeling tools*

U-COG | Center of Glass U-Values, by Climate Zone [Btu/hr·ft²·°F]

Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
U-COG Value	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13

SHGC-COG | Center of Glass Solar Heat Gain Coefficient, All Climate Zones

0.00

Frame Parameters	Left Jamb	Right Jamb	Left Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	2.64"	2.64"	2.64"	0.51"
Frame U-Value [Btu/hr·ft ² ·°F]	0.89	0.89	0.90	1.80
Glazing-to-Frame Psi Value [Btu/hr·ft ² ·°F]	0.1306	0.1306	0.1509	0.1680

Frame-to-Wall Psi Value is dependent on the on-site installation condition. (See *Phius Guidebook* for more details.)



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RECOMMENDED CLIMATE ZONES (NOTE: This information is not for use in building energy models. See next section.)

Recommended Climate Zones and Whole-Door U-values by Zone, at Standard Model Size [W/m²K]

Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
Recommended Zones										
U-Whole-Door	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19
Modeled Size [W × H]	0.96 m × 2.09 m		SHGC, Whole Door: 0.00				Condensation Resistance:			

COMPONENT-LEVEL PERFORMANCE DATA [SI Units] | *Compatible with building energy modeling tools*

U-COG | Center of Glass U-Values, by Climate Zone [W/m²K]

Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
U-COG Value	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
SHGC-COG Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.00		

Frame Parameters	Left Jamb	Right Jamb	Left Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	67 mm	67 mm	67 mm	13 mm
Frame U-Value [W/m ² K]	5.07	5.07	5.09	10.23
Glazing-to-Frame Psi Value [W/mK]	0.2262	0.2262	0.2612	0.2908
Frame-to-Wall Psi Value is dependent on the on-site installation condition. (See <i>Phius Guidebook</i> for more details.)				