



OITC-STC RATINGS

Single Hung | Casement | Project Out | Slider | Fixed | Doors

Smoky Hollow
Raleigh, NC
Contractor: Clancy & Theys Const. Co.
Architect: JDavis Architects
Glazer: Brinn Glass



**Quaker windows and doors tested according to
ASTM E1425-14 (Standard Practice for Determining the
Acoustical Performance of Exterior Windows and Doors)
which determines sound attenuation qualities.**

www.QuakerCommercialWindows.com

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Quaker Products

Selection Guide for OITC/STC Tested Models

Window Series	Operation	Window Test Size	I.G. Thickness	Ratings	
				OITC	STC
C600	Casement	36" x 72"	1"	23-31	28-35
C600	Casement	36" x 48"	1 3/8"	29-33	35-38
C600	Casement	36" x 60"	1 3/8"	33-34	40-41
C600	Fixed	60" x 60"	1"	25-31	30-36
C600	Fixed	60" x 60"	1 3/8"	27-29	34-37
E300	Double Hung	47" x 59"	1"	23-31	28-36
E500	Horiz. Slider	72" x 60"	1"	28	33
E500	Horiz. Slider	72" x 48"	1"	31	37
E600	Casement	36" x 72"	1"	25-28	31-34
E600	Casement	36" x 72"	1 3/8"	28-34	36-42
E600	IS Casement	36" x 60"	1 3/8"	35	43
E600	IS Casement	36" x 48"	1 3/8"	32	42
K200	Horiz. Slider	60" x 59"	Arctic Window	39	47
K200	Horiz. Slider	60" x 59"	Arctic Wdww Int. Storm	38	51
M300	Sliding Door	72" x 96"	1 3/8"	26	30
M600	Project-Out/Fixed	33" x 69"	1"	Pending*	Pending*
M600	Casement	36" x 72"	1"	23-31	29-38
M600	Casement	36" x 48"	1 3/8"	29	36
M600	Casement	36" x 48"	1 3/8"	34	43
M600	Fixed	60" x 60"	1"	26	32
M600	Fixed	36" x 72"	1"	27	34
M600	Fixed	60" x 60"	1"	29	35
M600	Terrace Door	39" x 95"	1"	30	34
M600	Terrace Door	39" x 95"	1"	33	38
Manchester	Horiz. Slider	72" x 56"	3/4"	24-28	29-31
Manchester	Single Hung	44" x 62"	3/4"	24-29	29-35
Manchester	Single Hung	30" x 62"	3/4"	27	34
Manchester	Sliding Door	77 1/2" x 95 1/2"	1"	24-28	31-35
V300	Fixed/Project-Out	36" x 92"	1"	29	35
V300	Casement	36" x 48"	1"	29	34-35
V300	Casement	36" x 48"	1 3/8"	31-33	38-39
V300	Casement	36" x 60"	1 3/8"	34	41
W600	Casement	36" x 72"	1"	22-33	27-37
W600	Fixed	60" x 60"	1"	25-31	30-36
H450	Casement	36" x 48"	1"	29	34-35
H450	Casement	36" x 48"	1 3/8"	32	35-37
H650/H655	Single Hung	47" x 59"	1"	24-26	31-32

What's the difference between OITC and STC?

OITC

(Outside Inside Transmission Class)

A single-number rating calculated in accordance with ASTM E 1332, using values of outdoor-indoor transmission loss. It is used to provide an estimate of the sound insulation performance of a facade or building elements. The frequency range used is typical of outdoor traffic noises.

STC

(Sound Transmission Class)

Rating calculated in accordance with ASTM E 413 using sound transmission loss values. It provides an estimate of the sound insulation performance of an interior partition in common sound insulation situations. The frequency range used is typical of indoor office noises.

Comparison of OITC and STC Classes

OITC	STC
Used for exterior noises specifically	Sound rating for all common noises
Best sound rating system to use for soundproof windows, doors, walls, etc.	Best sound rating system to use for common sounds like television, music, speech, etc.

Test results shown may vary slightly due to periodic re-testing.

Please call for the most current data and updated list of tested products. Complete test information available upon request.



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*=testing incomplete as November, 2022