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ANDERSEN® A-SERIES WINDOW AND DOOR ACOUSTIC PERFORMANCE

This report provides Sound Transmission Class (STC) and Outdoor-Indoor Transmission Class (OITC) performance values for Andersen® A-Series products based on testing by an independent, third party laboratory, in compliance with industry expectations and in accordance to the following industry standards:

ASTM E90 — *Standard Test Method for Laboratory Measurements of Airborne Sound Transmission Loss of Buildings and Elements*

ASTM E413 — *Classification for Rating Sound Insulation*

ASTM E1332 — *Standard Classification for Determination of Outdoor-Indoor Transmission Class*

ASTM S1425 — *Standard Practice for Determining the Acoustical Performance of Exterior Windows and Doors*

*** ONLY VALUES FOR AVAILABLE GLASS OPTIONS ARE LISTED ***

This data is accurate as of August 25, 2020. Due to ongoing product changes, updated test results, or new industry standards or requirements, this data may change.

Product Line	Product Type	Glass Option	STC	OITC	Test Report	Notes
A-Series		**Windows**				
	Casement ACW (AND-N-86)	**Dual Pane** (standard)	27	23	**30160-08-97946-CA**	
		STC Upgrade (mismatched)	-	-	-	Not Tested
		Triple Pane (improved thermal performance)	30	25	**ESP019701P-19**	
		Laminated (non-coastal laminated, insulating)	33	29	**30160-08-97946-CA**	
		Laminated Monolithic (non-coastal, laminated monolithic)	-	-	-	Not Available
		Stormwatch® IR (impact-resistant)	-	-	-	Not Tested
		Stormwatch® Laminated Monolithic IR (impact-resistant)	-	-	-	Not Available
	Awning AAN (AND-N-87)	**Dual Pane** (standard)	-	-	-	Not Tested
		STC Upgrade (mismatched)	-	-	-	Not Tested
		Triple Pane (improved thermal performance)	29	23	**ESP019701P-15**	
		Laminated (non-coastal laminated, insulating)	-	-	-	Not Tested
		Laminated Monolithic (non-coastal, laminated monolithic)	-	-	-	Not Available
		Stormwatch® IR (impact-resistant)	-	-	-	Not Tested
		Stormwatch® Laminated Monolithic IR (impact-resistant)	-	-	-	Not Available
	Double-Hung ADH (AND-N-91)	**Dual Pane** (standard)	27	22	**30160-08-97946-DH**	
		STC Upgrade (mismatched)	-	-	-	Not Tested
		Triple Pane (improved thermal performance)	28	23	**ESP019701P-13**	
		Laminated (non-coastal laminated, insulating)	30	26	**30160-08-97946-DH**	
		Laminated Monolithic (non-coastal, laminated monolithic)	-	-	-	Not Available
		Stormwatch® IR (impact-resistant)	-	-	-	Not Tested
		Stormwatch® Laminated Monolithic IR (impact-resistant)	-	-	-	Not Available

Product Line	Product Type	Glass Option	STC	OITC	Test Report	Notes
		Windows				
A-Series	**Picture** APW (AND-N-88)	**Dual Pane** (standard)	27	22	30160-08-97946-FW	
		STC Upgrade (mismatched)	-	-	-	Not Tested
		Triple Pane (improved thermal performance)	30	25	ESP019701P-18	
		Laminated (non-coastal laminated, insulating)	33	27	30160-08-97946-FW	
		Laminated Monolithic (non-coastal, laminated monolithic)	-	-	-	Not Available
		Stormwatch® IR (impact-resistant)	-	-	-	Not Tested
		Stormwatch® Laminated Monolithic IR (impact-resistant)	-	-	-	Not Available
	Transom Fixed ATF (AND-N-89)	**Dual Pane** (standard)	27	22	30160-08-97946-TW	
		STC Upgrade (mismatched)	-	-	-	Not Tested
		Triple Pane (improved thermal performance)	31	24	ESP019701P-16	
		Laminated (non-coastal laminated, insulating)	33	28	30160-08-97946-TW	
		Laminated Monolithic (non-coastal, laminated monolithic)	-	-	-	Not Available
		Stormwatch® IR (impact-resistant)	-	-	-	Not Tested
		Stormwatch® Laminated Monolithic IR (impact-resistant)	-	-	-	Not Available
	Transom Venting ATV (AND-N-90)	**Dual Pane** (standard)	28	22	30160-08-97946-VTW	
		STC Upgrade (mismatched)	-	-	-	Not Tested
		Triple Pane (improved thermal performance)	28	23	ESP019701P-14	
		Laminated (non-coastal laminated, insulating)	31	28	30160-08-97946-VTW	
		Laminated Monolithic (non-coastal, laminated monolithic)	-	-	-	Not Available
		Stormwatch® IR (impact-resistant)	-	-	-	Not Tested
		Stormwatch® Laminated Monolithic IR (impact-resistant)	-	-	-	Not Available

Product Line	Product Type	Glass Option	STC	OITC	Test Report	Notes
		Doors				
A-Series	**Frenchwood® Gliding 1-Panel** FWGD (AND-N-99)	**Dual Pane** (standard)	-	-	-	Not Tested
		STC Upgrade (mismatched)	-	-	-	Not Tested
		Triple Pane (improved thermal performance)	32	28	ESP019701P-1	
		Laminated (non-coastal laminated, insulating)	-	-	-	Not Tested
		Laminated Monolithic (non-coastal, laminated monolithic)	-	-	-	Not Tested
		Stormwatch® IR (impact-resistant)	36	31	ESP-011954-AW4	
		Stormwatch® Laminated Monolithic IR (impact-resistant)	-	-	-	Not Tested
		Double Laminated (sound control and security glazing)	-	-	-	Not Tested
	Frenchwood® Gliding 2-Panel FWGD (AND-N-99)	**Dual Pane** (standard)	-	-	-	Not Tested
		STC Upgrade (mismatched)	-	-	-	Not Tested
		Triple Pane (improved thermal performance)	29	25	ESP019701P-3	
		Laminated (non-coastal laminated, insulating)	-	-	-	Not Tested
		Laminated Monolithic (non-coastal, laminated monolithic)	-	-	-	Not Tested
		Stormwatch® IR (impact-resistant)	31	29	ESP-011954-AW3	
		Stormwatch® Laminated Monolithic IR (impact-resistant)	-	-	-	Not Tested
		Double Laminated (sound control and security glazing)	35	31	30160-09-08860-06	
	Frenchwood® Inswing 1-Panel FWHID (AND-N-92)	**Dual Pane** (standard)	30	26	30160-09-07045-1	
		STC Upgrade (mismatched)	-	-	-	Not Tested
		Triple Pane (improved thermal performance)	31	25	ESP019701P-9	
		Laminated (non-coastal laminated, insulating)	-	-	-	Not Tested
		Laminated Monolithic (non-coastal, laminated monolithic)	-	-	-	Not Tested
		Stormwatch® IR (impact-resistant)	34	30	ESP-011954-AW6	
		Stormwatch® Laminated Monolithic IR (impact-resistant)	-	-	-	Not Tested
		Double Laminated (sound control and security glazing)	35	31	30160-09-07045-1	

Product Line	Product Type	Glass Option	STC	OITC	Test Report	Notes
		Doors				
A-Series	**Frenchwood® Inswing 2-Panel** FWHID (AND-N-92)	**Dual Pane** (standard)	30	25	30160-09-07045-2	
		STC Upgrade (mismatched)	-	-	-	Not Tested
		Triple Pane (improved thermal performance)	31	25	ESP019701P-5	
		Laminated (non-coastal laminated, insulating)	-	-	-	Not Tested
		Laminated Monolithic (non-coastal, laminated monolithic)	-	-	-	Not Tested
		Stormwatch® IR (impact-resistant)	33	30	ESP-011954-AW1	
		Stormwatch® Laminated Monolithic IR (impact-resistant)	-	-	-	Not Tested
		Double Laminated (sound control and security glazing)	35	30	30160-09-07045-2	
	Frenchwood® Outswing 1-Panel FWOD (AND-N-93)	**Dual Pane** (standard)	30	25	30160-09-07045-1	
		STC Upgrade (mismatched)	-	-	-	Not Tested
		Triple Pane (improved thermal performance)	31	25	ESP019701P-11	
		Laminated (non-coastal laminated, insulating)	-	-	-	Not Tested
		Laminated Monolithic (non-coastal, laminated monolithic)	-	-	-	Not Tested
		Stormwatch® IR (impact-resistant)	35	30	ESP-011954-AW5	
		Stormwatch® Laminated Monolithic IR (impact-resistant)	-	-	-	Not Tested
		Double Laminated (sound control and security glazing)	35	31	30160-09-07045-1	
	Frenchwood® Outswing 2-Panel FWOD (AND-N-93)	**Dual Pane** (standard)	31	25	30160-09-07045-2	
		STC Upgrade (mismatched)	-	-	-	Not Tested
		Triple Pane (improved thermal performance)	31	25	ESP019701P-7	
		Laminated (non-coastal laminated, insulating)	-	-	-	Not Tested
		Laminated Monolithic (non-coastal, laminated monolithic)	-	-	-	Not Tested
		Stormwatch® IR (impact-resistant)	34	30	ESP-011954-AW2	
		Stormwatch® Laminated Monolithic IR (impact-resistant)	-	-	-	Not Tested
		Double Laminated (sound control and security glazing)	35	30	30160-09-08860-4	

Product Line	Product Type	Glass Option	STC	OITC	Test Report	Notes
		Doors				
A-Series	**Frenchwood® Sidelight** FWSLD (AND-N-94)	**Dual Pane** (standard)	-	-	-	Not Tested
		STC Upgrade (mismatched)	-	-	-	Not Tested
		Triple Pane (improved thermal performance)	-	-	-	Not Tested
		Laminated (non-coastal laminated, insulating)	-	-	-	Not Tested
		Laminated Monolithic (non-coastal, laminated monolithic)	-	-	-	Not Tested
		Stormwatch® IR (impact-resistant)	-	-	-	Not Tested
		Stormwatch® Laminated Monolithic IR (impact-resistant)	-	-	-	Not Tested
		Double Laminated (sound control and security glazing)	-	-	-	Not Tested
	Frenchwood® Transom Sash-Set FWSLTD/FWTD (AND-N-95)	**Dual Pane** (standard)	-	-	-	Not Tested
		STC Upgrade (mismatched)	-	-	-	Not Tested
		Triple Pane (improved thermal performance)	-	-	-	Not Tested
		Laminated (non-coastal laminated, insulating)	-	-	-	Not Tested
		Laminated Monolithic (non-coastal, laminated monolithic)	-	-	-	Not Tested
		Stormwatch® IR (impact-resistant)	-	-	-	Not Tested
		Stormwatch® Laminated Monolithic IR (impact-resistant)	-	-	-	Not Tested
		Double Laminated (sound control and security glazing)	-	-	-	Not Tested
	Frenchwood® Transom Direct-Set FWTDS (AND-N-96)	**Dual Pane** (standard)	-	-	-	Not Tested
		STC Upgrade (mismatched)	-	-	-	Not Tested
		Triple Pane (improved thermal performance)	-	-	-	Not Tested
		Laminated (non-coastal laminated, insulating)	-	-	-	Not Tested
		Laminated Monolithic (non-coastal, laminated monolithic)	-	-	-	Not Tested
		Stormwatch® IR (impact-resistant)	-	-	-	Not Tested
		Stormwatch® Laminated Monolithic IR (impact-resistant)	-	-	-	Not Tested
		Double Laminated (sound control and security glazing)	-	-	-	Not Tested