

CLIENT: DASSO USA
6060 Boat Rock Blvd. SW, Suite 800
Atlanta, GA 30336

Project No: 20-2258

Report Date: May 7, 2021

SAMPLE ID: Series: DassoXTR Fused Bamboo Siding

SAMPLE DESCRIPTION: 1" x 7"; See page 4, and 12 for full description

SAMPLING DETAIL: Test samples were witnessed at the location of manufacture in Xiandai Zhuchanye Yuanqu, Gaobu Town, Gaobu Town, Zixi Country, Fuzhou City, Jiangxi Province China by QAI personnel Fey Han on July 31, 2020.

DATE OF RECEIPT: Samples were received at the FTL Miami Laboratory on March 29, 2021

TESTING PERIOD: April 12, 2021 through April 28, 2021

TESTING LOCATION: Fenestration Testing Laboratory (FTL) – Miami, Florida, USA

AUTHORIZATION: Proposal 20JL09183, signed by Avery Chua, dated September 29, 2020.

TEST PROCEDURE: Testing to the following requirements:

- ASTM E330-14 Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference

TEST RESULTS: The bamboo Siding achieved passing results found on pages 4-19 of this test report when tested in accordance with the ASTM E330.

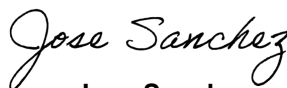
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Prepared By

Lusinda Delgado

Lusinda Delgado
Technical Report Writer

**Signed for and on behalf of
Fenestration Testing Laboratory**



Jose Sanchez
Operation Manager

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Technician:
 Yoenis Gonzalez

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Revision	Description	Effective Date
0	Initial Release	5/7/2021

Notes
<p>* designates measurements by laboratory ** as per manufacturer</p> <p>Drawings referenced in this document are an integral part of this report, therefore, are required when distributing this test report. Test results obtained represent the actual value of the tested specimens and do not constitute opinion or endorsement by this laboratory.</p> <p>At conclusion of the below tests, there was no apparent damage to sample or fasteners. Test specimens were covered with 1.5 mil plastic sheeting to seal from air leakage when load test were performed, however this had no effect on above results.</p>

Remarks
<p>Detailed drawings and official test report will be retained by Fenestration Testing Laboratory for a period of five years from the original test date.</p> <p>This product was tested in accordance with the ASTM E330-14 and meets the requirements of the standard.</p>

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DESCRIPTION OF SAMPLE	
Model Designation:	1" x 7" DassoXTR Fused Bamboo Siding Classic Espresso
Overall Size:	8'-0" (96") x 4'-0" (48") wide
Samples A-1, A-2, A-3 and A-4	

Test Wall
2x6 yellow pine wood studs spaced 16" on center with a 5/8" pine sheathing on the exterior.

Sample Installation
The bamboo siding was installed to the wood studs using a metallic clip at each stud location. The clips were fastened to the studs using one No. 10 x 2" pan head stainless steel sheet metal screw.

Sample: A-1	Temperature: 75.3°F	Barometric Reading: 30.21 inches Hg		
Title of Test	Pressure	Notes		
Load Test Negative Load	30.0 psf			
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.040"	None	Passed	

Sample: A-1	Temperature: 75.3°F	Barometric Reading: 30.21 inches Hg		
Title of Test	Pressure	Notes		
Load Test Negative Load	60.0 psf			
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.080"	0.001"	Passed	

Sample: A-1	Temperature: 75.3°F	Barometric Reading: 30.21 inches Hg		
Title of Test	Pressure	Notes		
Load Test Negative Load	90.0 psf			
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.102"	0.003"	Passed	

Sample: A-1	Temperature: 75.3°F	Barometric Reading: 30.21 inches Hg		
Title of Test	Pressure	Notes		
Load Test Negative Load	120.0 psf			
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.136"	0.005"	Passed	

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Sample: A-1	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		150.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.179"	0.008"	Passed	

Sample: A-1	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		180.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.278"	0.009"	Passed	

Sample: A-1	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		210.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	n/a	n/a	Failed	Siding panel pulled away from the Clip at 208.0 psf

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Sample: A-2	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		30.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.029"	None	Passed	

Sample: A-2	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		60.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.066"	0.001"	Passed	

Sample: A-2	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		90.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.096"	0.002"	Passed	

Sample: A-2	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		120.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.145"	0.003"	Passed	

Sample: A-2	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		150.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.189"	0.008"	Passed	

Sample: A-2	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		180.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.234"	0.015"	Passed	

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Sample: A-2	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		210.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	n/a	n/a	Failed	Siding panel pulled away from the Clip at 203.0 psf

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Sample: A-3	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		30.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.044"	None	Passed	

Sample: A-3	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		60.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.069"	None	Passed	

Sample: A-3	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		90.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.137"	0.002"	Passed	

Sample: A-3	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		120.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.159"	0.005"	Passed	

Sample: A-3	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		150.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.189"	0.008"	Passed	

Sample: A-3	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		180.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.233"	0.013"	Passed	

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Sample: A-3	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		210.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	n/a	n/a	Failed	Siding panel pulled away from the Clip at 208.0 psf

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Sample: A-4	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Positive Load		30.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.039"	None	Passed	

Sample: A-4	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Positive Load		60.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.059"	0.002"	Passed	

Sample: A-4	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Positive Load		90.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.081"	0.003"	Passed	

Sample: A-4	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Positive Load		120.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.089"	0.003"	Passed	

Sample: A-4	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Positive Load		150.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.091"	0.003"	Passed	

Sample: A-4	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Positive Load		180.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.161"	0.005"	Passed	

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Sample: A-4	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Positive Load		210.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.168"	0.007"	Passed	

Sample: A-4	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Positive Load		230.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.179"	0.007"	Passed	

Sample: A-4	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Positive Load		250.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.181"	0.011"	Passed	

Sample: A-4	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Positive Load		280.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.186"	0.009"	Passed	

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DESCRIPTION OF SAMPLE	
Model Designation:	1" x 7" DassoXTR Fused Bamboo Siding Epic Cognac
Overall Size:	8'-0" (96") x 4'-0" (48") wide
Samples B-1, B-2, B-3 and B-4	

Test Wall
2x6 yellow pine wood studs spaced 16" on center with a 5/8" pine sheathing on the exterior.

Sample Installation
The bamboo siding was installed to the wood studs using a metallic clip at each stud location. The clips were fastened to the studs using one No. 10 x 2" pan head stainless steel sheet metal screw.

Sample: B-1	Temperature: 75.3°F	Barometric Reading: 30.21 inches Hg		
Title of Test	Pressure	Notes		
Load Test Negative Load	30.0 psf			
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.031"	None	Passed	

Sample: B-1	Temperature: 75.3°F	Barometric Reading: 30.21 inches Hg		
Title of Test	Pressure	Notes		
Load Test Negative Load	60.0 psf			
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.052"	0.001"	Passed	

Sample: B-1	Temperature: 75.3°F	Barometric Reading: 30.21 inches Hg		
Title of Test	Pressure	Notes		
Load Test Negative Load	90.0 psf			
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.076"	0.002"	Passed	

Sample: B-1	Temperature: 75.3°F	Barometric Reading: 30.21 inches Hg		
Title of Test	Pressure	Notes		
Load Test Negative Load	120.0 psf			
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.103"	0.005"	Passed	

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Sample: B-1	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		150.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.148"	0.004"	Passed	

Sample: B-1	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		180.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.179"	0.011"	Passed	

Sample: B-1	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		210.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	n/a	n/a	Failed	Siding panel pulled away from the Clip at 201.0 psf

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Sample: B-2	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		30.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.034"	None	Passed	

Sample: B-2	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		60.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.039"	None	Passed	

Sample: B-2	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		90.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.077"	0.002"	Passed	

Sample: B-2	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		120.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.094"	0.003"	Passed	

Sample: B-2	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		150.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.136"	0.004"	Passed	

Sample: B-2	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
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See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
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Sample: B-2	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		210.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	n/a	n/a	Failed	Siding panel pulled away from the Clip at 203.0 psf

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Sample: B-3	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		30.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.021"	None	Passed	

Sample: B-3	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		60.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.046"	0.001"	Passed	

Sample: B-3	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		90.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.061"	0.002"	Passed	

Sample: B-3	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		120.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.092"	0.003"	Passed	

Sample: B-3	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		150.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.129"	0.003"	Passed	

Sample: B-3	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		180.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.183"	0.011"	Passed	

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Sample: B-3	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		210.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	n/a	n/a	Failed	Siding panel pulled away from the Clip at 195.0 psf

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Sample: B-4	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Positive Load		30.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.049"	None	Passed	

Sample: B-4	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Positive Load		60.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.056"	None	Passed	

Sample: B-4	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Positive Load		90.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.089"	0.002"	Passed	

Sample: B-4	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Positive Load		120.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.090"	0.002"	Passed	

Sample: B-4	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Positive Load		150.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.099"	0.003"	Passed	

Sample: B-4	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Positive Load		180.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.116"	0.004"	Passed	

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Sample: B-4	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Positive Load		210.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.129"	0.005"	Passed	

Sample: B-4	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Positive Load		230.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.156"	0.011"	Passed	

Sample: B-4	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Positive Load		250.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.159"	0.009"	Passed	

Sample: B-4	Temperature:	75.3°F	Barometric Reading: 30.21 inches Hg	
Title of Test		Pressure	Notes	
Load Test Positive Load		280.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.189"	0.013"	Passed	

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Appendix A

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