



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 Decking

SAMPLE DESCRIPTION: 0.8" thick; See page 3 and 10 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: January 20, 2022

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

AUTHORIZATION: Proposal 21JL08111r1, signed by Avery Chua, dated August 19, 2021.

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

Signed for and on behalf of

Difference

TEST RESULTS: The bamboo decking achieved passing results found within this test report when

tested in accordance with the ASTM E330.

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Prepared By

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Qose Sanchez

Lusinda Delgado // Jose Sanchez

Technical Report Writer Operation Manager



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Technician: Jose Sanchez



| DESCRIPTION OF SAMPLE | | | | |
|--------------------------|---|--|--|--|
| Model Designation: | 1" x 6" x 0.8" DassoXTR Fused Bamboo Decking Classic Expresso with Hidden Clips | | | |
| Overall Size: | 8'-0" (96") x 4'-0" (48") wide | | | |
| Samples A-1, A-2 and A-3 | | | | |

| Decking | | | | |
|--|--|--|--|--|
| 2x6 yellow pine wood joist spaced 24" on center. | | | | |

Sample Installation

The bamboo decking was installed to the wood joist using a metallic **Panda Claw hidden clip at each joist location. The hidden clips were fastened to the joist using one No. 7 x 1 3/4" flat head stainless steel wood screw.

| Sample: A-1 | Temperature: | 78.1°F Barometric Reading: 30.05 inches Hg | | | |
|-------------|----------------|--|---------|-----------|--|
| | Title of Test | Pressure | Notes | | |
| Load Test N | egative Load | 20.0 psf | | | |
| | See Appendix A | | | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info | |
| 1 | 0.018" | None | Passed | | |

| Sample: A-1 | Temperature: | 78.1°F Barometric Reading: 30.05 inches Hg | | |
|------------------------------|----------------|--|---------|-----------|
| Title of Test Pressure Notes | | | | |
| Load Test N | egative Load | 40.0 psf | | |
| | See Appendix A | | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.029" | None | Passed | |

| Sample: A-1 | Temperature: | 78.1°F | Barometric Reading: 30.05 inches Hg | | |
|-------------|----------------------------------|---------------|-------------------------------------|-----------|--|
| | Title of Test | Pressure | e Notes | | |
| Load Test N | Load Test Negative Load 60.0 psf | | | | |
| | See Appendix A | | | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info | |
| 1 | 0.043" | None | Passed | | |

| Sample: A-1 | Temperature: | 78.1°F | Barometric Reading: 30.05 inches Hg | | |
|-------------|----------------|---------------|-------------------------------------|-----------|--|
| | Title of Test | Pressure | Notes | | |
| Load Test N | egative Load | 80.0 psf | | | |
| | See Appendix A | | | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info | |
| 1 | 0.079" | None | Passed | | |



| Sample: A-1 | Temperature: | 78.1°F | Barometric Reading: 30.05 inches Hg | | |
|--------------|---------------|---------------|-------------------------------------|-----------|--|
| 7 | Title of Test | Pressure | Notes | | |
| Load Test Ne | gative Load | 100.0 psf | | | |
| | | See Appen | dix A | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info | |
| 1 | 0.096" | None | Passed | | |
| | | | | | |
| Sample: A-1 | Temperature: | 78.1°F | Barometric Reading: 30.05 inches Hg | | |
| Titl | le of Test | Pressure | Notes | | |
| Load Test Ne | gative Load | 120.0 psf | | | |

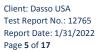
| Temperature: | 78.1°F | Barometric Reading: 30.05 inches Hg | | |
|-----------------------------------|---|---|---|--|
| tle of Test | Pressure | Notes | | |
| Load Test Negative Load 120.0 psf | | | | |
| See Appendix A | | | | |
| Deflection | Permanent Set | Results | Add. Info | |
| 0.121" | None | Passed | | |
| | tle of Test egative Load Deflection | tle of Test Pressure egative Load 120.0 psf See Append Deflection Permanent Set | tle of Test Pressure Notes egative Load 120.0 psf See Appendix A Deflection Permanent Set Results | |

| Sample: A-1 | Temperature: | 78.1°F Barometric Reading: 30.05 inches Hg | | |
|-------------|----------------|--|---------|-----------|
| | Title of Test | Pressure | Notes | |
| Load Test N | egative Load | 140.0 psf | | |
| | See Appendix A | | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.138" | 0.002" | Passed | |

| Sample: A-1 | Temperature: | 78.1°F | 1°F Barometric Reading: 30.05 inches Hg | |
|-------------|----------------|------------------------|---|-----------|
| | Title of Test | of Test Pressure Notes | | |
| Load Test N | egative Load | 160.0 psf | | |
| | See Appendix A | | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.156" | 0.005" | Passed | |

| Sample: A-1 | Temperature: | 78.1°F | °F Barometric Reading: 30.05 inches Hg | |
|-------------|------------------------------|---------------|--|-----------|
| | Title of Test Pressure Notes | | | |
| Load Test N | egative Load | 180.0 psf | | |
| | See Appendix A | | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.170" | 0.006" | Passed | |

| Sample: A-1 | Temperature: | 78.1°F | Barometric Reading: 30.05 inches Hg | |
|-------------|---------------|---------------|-------------------------------------|-----------|
| | Title of Test | Pressure | Notes | |
| Load Test N | egative Load | 200.0 psf | | |
| | | See Append | dix A | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.195" | 0.008" | Passed | |





| Sample: A-1 Temperature: 78.1°F | | Barometric Reading: 30.05 inches Hg | | | |
|---------------------------------|----------------|-------------------------------------|---------|-----------|--|
| | Title of Test | Pressure | Notes | | |
| Load Test N | egative Load | 220.0 psf | | | |
| | See Appendix A | | | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info | |
| 1 | 0.218" | 0.010" | Passed | | |

| Sample: A-1 | Temperature: | 78.1°F | Barometric Reading: 30.05 inches Hg | |
|---|-------------------------|------------|-------------------------------------|--|
| Title of Test Pressure | | Pressure | Notes | |
| Load Test N | Load Test Negative Load | | | |
| | | See Append | A xib | |
| Reading# Deflection Permanent Set Results Add. Info | | | | Add. Info |
| 1 | n/a | n/a | Failed | Deck board edge broke at the Panda Clip at 232.0 psf |

Add. Info



Sample: A-2

Reading#

Temperature:

Deflection

0.053"

| Title of Test | Pressure | Notes | |
|---------------|---|----------------------------|---|
| egative Load | 20.0 psf | | |
| | See Appen | dix A | |
| Deflection | Permanent Set | Results Add. Info | |
| 0.021" | None | Passed | |
| | | | |
| Temperature: | 78.1°F | Barometric | Reading: 30.05 inches Hg |
| Title of Test | Pressure | Notes | |
| egative Load | 40.0 psf | | |
| | See Appen | dix A | |
| Deflection | Permanent Set | Results | Add. Info |
| 0.026" | None | Passed | |
| | | | |
| Temperature: | 78.1°F | Barometric | Reading: 30.05 inches Hg |
| Title of Test | Pressure | Notes | |
| egative Load | 60.0 psf | | |
| | See Appen | dix A | |
| Deflection | Permanent Set | Results | Add. Info |
| 0.039" | None | Passed | |
| | | | |
| Temperature: | 78.1°F | Barometric | Reading: 30.05 inches Hg |
| | | | |
| | Pressure | Notes | |
| | Deflection 0.021" Temperature: Title of Test egative Load Deflection 0.026" Temperature: Title of Test egative Load Deflection 0.039" | Deflection Permanent Set | See Appendix A Deflection Permanent Set Results |

78.1°F

| Sample: A-2 Temperature: 78.1°F | | 78.1°F | Barometric R | Reading: 30.05 inches Hg | |
|---------------------------------|----------------|---------------|--------------|--------------------------|--|
| | Title of Test | Pressure | Notes | | |
| Load Test N | egative Load | 100.0 psf | | | |
| | See Appendix A | | | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info | |
| 1 | 0.064" | None | Passed | | |

See Appendix A

Results

Passed

Permanent Set

None

| Sample: A-2 | Temperature: | 78.1°F | Barometric Reading: 30.05 inches Hg | |
|-------------|--------------|---------------|-------------------------------------|-----------|
| Tit | tle of Test | Pressure | Notes | |
| Load Test N | egative Load | 120.0 psf | | |
| | | See Append | lix A | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.080" | None | Passed | |



| Sample: A-2 | Temperature: | 78.1°F | Barometric Reading: 30.05 inches Hg | | |
|------------------------|---|------------|-------------------------------------|--|--|
| Title of Test Pressure | | Pressure | Notes | | |
| Load Test N | egative Load | 140.0 psf | | | |
| | | See Append | A xib | | |
| Reading# | Reading# Deflection Permanent Set Results Add. Info | | | | |
| 1 | 0.115" | 0.001" | Passed | | |
| | | | | | |

| Sample: A-2 Temperature: 78.1°F | | Barometric Reading: 30.05 inches Hg | | | |
|---------------------------------|----------------|-------------------------------------|---------|-----------|--|
| | Title of Test | Pressure | Notes | | |
| Load Test N | egative Load | 160.0 psf | | | |
| | See Appendix A | | | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info | |
| 1 | 0.135" | 0.003" | Passed | | |

| Sample: A-2 | Sample: A-2 Temperature: 78.1°F | | Barometric Reading: 30.05 inches Hg | | |
|-------------|---------------------------------|---------------|-------------------------------------|-----------|--|
| | Title of Test | Pressure | Notes | | |
| Load Test N | egative Load | 180.0 psf | | | |
| | See Appendix A | | | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info | |
| 1 | 0.162" | 0.004" | Passed | | |

| Sample: A-2 | Temperature: | 78.1°F | Barometric Reading: 30.05 inches Hg | | |
|-------------|----------------|---------------|-------------------------------------|-----------|--|
| | Title of Test | Pressure | Notes | | |
| Load Test N | egative Load | 200.0 psf | | | |
| | See Appendix A | | | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info | |
| 1 | 0.190" | 0.006" | Passed | | |

| Sample: A-2 | Temperature: | 78.1°F | Barometric Re | eading: 30.05 inches Hg | |
|-------------|----------------|---------------|---------------|-------------------------|--|
| | Title of Test | Pressure | Notes | | |
| Load Test N | egative Load | 220.0 psf | | | |
| | See Appendix A | | | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info | |
| 1 | 0.208" | 0.008" | Passed | | |

| Sample: A-2 | Temperature: | 78.1°F Barometric Reading: 30.05 inches Hg | | Reading: 30.05 inches Hg | |
|---------------------|-------------------------------|--|---------|------------------------------|--|
| Title of Test Press | | Pressure | Notes | | |
| Load Test N | Load Test Negative Load 240.0 | | | | |
| | See Appendix A | | | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info | |
| 1 | n/a | n/a | Failed | Deck board edge broke at the | |
| | | | | Panda Clip at 238.0 psf | |



| Sample: A-3 | Temperature: | 78.1°F | Barometric F | Reading: 30.05 inches Hg |
|--------------------------|---------------|---------------|-------------------------------------|--------------------------|
| | Title of Test | Pressure | Notes | |
| Load Test Ne | egative Load | 20.0 psf | | |
| | | See Appen | dix A | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.030" | None | Passed | |
| | | | | |
| Sample: A-3 | Temperature: | 78.1°F | Barometric F | Reading: 30.05 inches Hg |
| | Title of Test | Pressure | Notes | |
| Load Test Ne | egative Load | 40.0 psf | | |
| | | See Appen | dix A | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.042" | None | Passed | |
| | | | | |
| Sample: A-3 Temperature: | | 78.1°F | Barometric Reading: 30.05 inches Hg | |
| | Title of Test | Pressure | Notes | |
| Load Test Ne | gative Load | 60.0 psf | | |
| | | See Appen | dix A | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.056" | None | Passed | |
| | | | | |
| Sample: A-3 | Temperature: | 78.1°F | Barometric F | Reading: 30.05 inches Hg |
| 7 | Title of Test | Pressure | Notes | |
| Load Test Ne | gative Load | 80.0 psf | | |
| | | See Appen | dix A | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.063" | None | Passed | |
| | | | | |
| Sample: A-3 | Temperature: | 78.1°F | Barometric F | Reading: 30.05 inches Hg |
| | Fille of Tool | Dragoura | Notes | |

| Sample: A-3 | Sample: A-3 Temperature: 78.1°F | | Barometric Reading: 30.05 inches Hg | | |
|---------------|---|------------|-------------------------------------|--|--|
| Title of Test | | Pressure | Notes | | |
| Load Test N | Load Test Negative Load 100.0 psf | | | | |
| | | See Append | A xib | | |
| Reading# | Reading# Deflection Permanent Set Results Add. Info | | | | |
| 1 | 0.085" | None | Passed | | |

| Sample: A-3 | Temperature: | 78.1°F | Barometric Reading: 30.05 inches Hg | |
|------------------------|-----------------------------------|---------------|-------------------------------------|-----------|
| Title of Test Pressure | | Pressure | Notes | |
| Load Test N | Load Test Negative Load 120.0 psf | | | |
| | | See Append | lix A | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.110" | 0.001" | Passed | |



| Sample: A-3 | Temperature: | 78.1°F | Barometric Reading: 30.05 inches Hg | | | |
|---------------|---|-----------|-------------------------------------|--|--|--|
| Title of Test | | Pressure | Notes | | | |
| Load Test N | Load Test Negative Load 140.0 psf | | | | | |
| | | See Appen | dix A | | | |
| Reading# | Reading# Deflection Permanent Set Results Add. Info | | | | | |
| 1 | 0.126" | 0.002" | Passed | | | |
| | | | | | | |

| Sample: A-3 Temperature: 78.1°F | | Barometric Reading: 30.05 inches Hg | | |
|---------------------------------|-----------------------------------|-------------------------------------|---------|-----------|
| Title of Test P | | Pressure | Notes | |
| Load Test N | Load Test Negative Load 160.0 psf | | | |
| | | See Append | A xib | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.155" | 0.005" | Passed | |

| Sample: A-3 Temperature: 78.1°F Barometric Read | | | Reading: 30.05 inches Hg | |
|---|--------------|---------------|--------------------------|-----------|
| Title of Test | | Pressure | Notes | |
| Load Test N | egative Load | 180.0 psf | | |
| | | See Appen | dix A | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.180" | 0.006" | Passed | |

| Sample: A-3 | Sample: A-3 Temperature: 78.1°F Barometric Reading: 30.05 inches | | eading: 30.05 inches Hg | |
|---------------|--|---------------|-------------------------|-----------|
| Title of Test | | Pressure | Notes | |
| Load Test N | Load Test Negative Load 200.0 psf | | | |
| | | See Append | dix A | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.193" | 0.008" | Passed | |

| Sample: A-3 Temperature: 78.1°F | | 78.1°F | Barometric Re | eading: 30.05 inches Hg |
|---------------------------------|-----------------------------------|---------------|---------------|-------------------------|
| Title of Test | | Pressure | Notes | |
| Load Test N | Load Test Negative Load 220.0 psf | | | |
| | | See Appen | dix A | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.229" | 0.009" | Passed | |

| Sample: A-3 | Temperature: | 78.1°F | Barometric Reading: 30.05 inches Hg | | |
|------------------------|-----------------------------------|---------------|-------------------------------------|------------------------------|--|
| Title of Test Pressure | | | Notes | | |
| Load Test N | Load Test Negative Load 240.0 psf | | | | |
| | See Appendix A | | | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info | |
| 1 | n/a | n/a | Failed | Deck board edge broke at the | |
| | | | | Panda Clip at 236.0 psf | |



| DESCRIPTION OF SAMPLE | | | | | |
|--------------------------|--|--|--|--|--|
| Model Designation: | 1" x 6" x 0.8" DassoXTR Fused Bamboo Decking Epic Cognac with Hidden Clips | | | | |
| Overall Size: | 8'-0" (96") x 4'-0" (48") wide | | | | |
| Samples B-1, B-2 and B-3 | | | | | |

| Decking | | | | |
|--|--|--|--|--|
| 2x6 yellow pine wood joist spaced 24" on center. | | | | |

Sample Installation

The bamboo decking was installed to the wood joist using a metallic **Panda Claw hidden clip at each joist location. The hidden clips were fastened to the joist using one No. 7 x 1 3/4" flat head stainless steel wood screw.

| Sample: B-1 | Temperature: | 78.1°F | Barometric Reading: 30.05 inches Hg | |
|---------------|----------------------------------|---------------|-------------------------------------|-----------|
| Title of Test | | Pressure | Notes | |
| Load Test N | Load Test Negative Load 20.0 psf | | | |
| | | See Append | lix A | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.018" | None | Passed | |

| Sample: B-1 | Temperature: | 78.1°F | Barometric Reading: 30.05 inches Hg | | |
|-------------|----------------|---------------|-------------------------------------|-----------|--|
| | Title of Test | Pressure | Notes | | |
| Load Test N | egative Load | 40.0 psf | | | |
| | See Appendix A | | | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info | |
| 1 | 0.033" | None | Passed | | |

| Sample: B-1 | Temperature: | 78.1°F | Barometric Reading: 30.05 inches Hg | | |
|-------------|----------------|---------------|-------------------------------------|-----------|--|
| | Title of Test | Pressure | Notes | | |
| Load Test N | egative Load | 60.0 psf | | | |
| | See Appendix A | | | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info | |
| 1 | 0.052" | None | Passed | | |

| Sample: B-1 | Temperature: | 78.1°F | Barometric Reading: 30.05 inches Hg | | |
|-------------|----------------|---------------|-------------------------------------|-----------|--|
| | Title of Test | Pressure | Notes | | |
| Load Test N | egative Load | 80.0 psf | | | |
| | See Appendix A | | | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info | |
| 1 | 0.068" | None | Passed | | |



Sample: B-1 Temperature:

| | litle of Test | Pressure | Notes | |
|--------------|---------------|---------------|------------|--------------------------|
| Load Test Ne | egative Load | 100.0 psf | | |
| | | See Appen | dix A | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.089" | None | Passed | |
| | | | | |
| Sample: B-1 | Temperature: | 78.1°F | Barometric | Reading: 30.05 inches Hg |
| Tit | le of Test | Pressure | Notes | |
| Load Test Ne | egative Load | 120.0 psf | | |
| | | See Appen | dix A | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.118" | None | Passed | |
| | | | | |
| Sample: B-1 | Temperature: | 78.1°F | Barometric | Reading: 30.05 inches Hg |
| - | Title of Test | Pressure | Notes | |
| Load Test Ne | egative Load | 140.0 psf | | |
| | | See Appen | dix A | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.135" | 0.002" | Passed | |
| | | • | • | <u> </u> |
| Cample: D 4 | Tamananatura | 70.40F | Donomotrio | Doodings 20 05 inches He |

78.1°F

| Sample: B-1 | Temperature: | 78.1°F | Barometric Reading: 30.05 inches Hg | | |
|-------------|---|-----------|-------------------------------------|--|--|
| | Title of Test | Pressure | Notes | | |
| Load Test N | legative Load | 160.0 psf | | | |
| | | See Appen | dix A | | |
| Reading# | Reading# Deflection Permanent Set Results Add. Info | | | | |
| 1 | 0.168" | 0.003" | Passed | | |
| | | | | | |

| Sample: B-1 | Temperature: | 78.1°F | Barometric Reading: 30.05 inches Hg | | | |
|-----------------------------------|----------------|---------------|-------------------------------------|-----------|--|--|
| Title of Test Pr | | Pressure | Notes | Notes | | |
| Load Test Negative Load 180.0 psf | | 180.0 psf | | | | |
| | See Appendix A | | | | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info | | |
| 1 | 0.189" | 0.005" | Passed | | | |

| Sample: B-1 | Temperature: | 78.1°F | Barometric Reading: 30.05 inches Hg | | |
|-------------|----------------|---------------|-------------------------------------|-----------|--|
| | Title of Test | Pressure | Notes | | |
| Load Test N | egative Load | 200.0 psf | | | |
| | See Appendix A | | | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info | |
| 1 | 0.202" | 0.006" | Passed | | |





| Sample: B-1 Temperature: 78.1°F | | Barometric Reading: 30.05 inches Hg | | | |
|---------------------------------|----------------|-------------------------------------|---------|-----------|--|
| | Title of Test | Pressure | Notes | | |
| Load Test N | egative Load | 220.0 psf | | | |
| | See Appendix A | | | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info | |
| 1 | 0.231" | 0.007" | Passed | | |

| Sample: B-1 | Temperature: | 78.1°F | Barometric Reading: 30.05 inches Hg | | |
|-------------------------|----------------|---------------|-------------------------------------|--|--|
| Title of Test Pressure | | Pressure | Notes | | |
| Load Test Negative Load | | 240.0 psf | | | |
| | See Appendix A | | | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info | |
| 1 | n/a | n/a | Failed | Deck board edge broke at the Panda Clip at 231.0 psf | |

Add. Info



Sample: B-2

Reading#

Temperature:

Deflection

0.059"

| | Title of Test | Pressure | Notes | |
|---|---------------|--------------------------|-------------------|--------------------------|
| Load Test N | egative Load | 20.0 psf | | |
| | | See Appen | dix A | |
| Reading# | Deflection | Permanent Set | Results Add. Info | |
| 1 | 0.015" | None | Passed | |
| | | | | |
| Sample: B-2 Temperature: 78.1°F Barometric Reading: 30.05 inche | | Reading: 30.05 inches Hg | | |
| | Title of Test | Pressure | Notes | |
| Load Test N | egative Load | 40.0 psf | | |
| | | See Appen | dix A | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.026" | None | Passed | |
| | | | | |
| Sample: B-2 | Temperature: | 78.1°F | Barometric F | Reading: 30.05 inches Hg |
| | Title of Test | Pressure | Notes | |
| Load Test N | egative Load | 60.0 psf | | |
| | | See Appen | dix A | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.042" | None | Passed | |
| | | | | |
| Sample: B-2 | Temperature: | 78.1°F | Barometric F | Reading: 30.05 inches Hg |
| _ | Title of Test | Pressure | Notes | |
| Load Test N | egative Load | 80.0 psf | | |
| | | See Appen | dix A | |
| | | | | |

78.1°F

| Sample: B-2 Temperature: 78.1°F | | 78.1°F | Barometric Reading: 30.05 inches Hg | | |
|---------------------------------|----------------|---------------|-------------------------------------|-----------|--|
| | Title of Test | Pressure | Notes | | |
| Load Test N | egative Load | 100.0 psf | | | |
| | See Appendix A | | | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info | |
| 1 | 0.088" | None | Passed | | |

Results

Passed

Permanent Set

None

| Sample: B-2 | Temperature: | 78.1°F | Barometric Reading: 30.05 inches Hg | | |
|-------------|----------------|---------------|-------------------------------------|-----------|--|
| Tit | tle of Test | Pressure | Notes | | |
| Load Test N | egative Load | 120.0 psf | | | |
| | See Appendix A | | | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info | |
| 1 | 0.096" | None | Passed | | |



| Sample: B-2 | Temperature: | 78.1°F | Barometric Reading: 30.05 inches Hg | | |
|---------------|--------------|---------------|-------------------------------------|-----------|--|
| Title of Test | | Pressure | Notes | Notes | |
| Load Test N | egative Load | 140.0 psf | | | |
| | | See Appen | dix A | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info | |
| 1 | 0.115" | 0.001" | Passed | | |
| | • | • | * | • | |

| Sample: B-2 Temperature: 78.1°F | | Barometric Reading: 30.05 inches Hg | | |
|---------------------------------|---------------|-------------------------------------|---------|-----------|
| | Title of Test | Pressure | Notes | |
| Load Test N | egative Load | 160.0 psf | | |
| | | See Append | A xib | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.129" | 0.003" | Passed | |

| Sample: B-2 | Temperature: | 78.1°F | Barometric | Reading: 30.05 inches Hg | |
|-------------|----------------|---------------|------------|--------------------------|--|
| | Title of Test | Pressure | Notes | | |
| Load Test N | egative Load | 180.0 psf | | | |
| | See Appendix A | | | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info | |
| 1 | 0.156" | 0.005" | Passed | | |

| Sample: B-2 | Temperature: | 78.1°F | Barometric Reading: 30.05 inches Hg | |
|-------------|---------------|---------------|-------------------------------------|-----------|
| | Title of Test | Pressure | Notes | |
| Load Test N | egative Load | 200.0 psf | | |
| | | See Append | lix A | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.189" | 0.006" | Passed | |

| Sample: B-2 | Sample: B-2 Temperature: 78.1°F | | Barometric Reading: 30.05 inches Hg | |
|-------------|---------------------------------|---------------|-------------------------------------|-----------|
| | Title of Test | Pressure | Notes | |
| Load Test N | egative Load | 220.0 psf | | |
| | | See Append | lix A | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.209" | 0.008" | Passed | |

| Sample: B-2 | Temperature: | 78.1°F Barometric Reading: 30.05 inches Hg | | | |
|---------------|----------------|---|---------|------------------------------|--|
| Title of Test | | Pressure | Notes | | |
| Load Test N | legative Load | 240.0 psf | | | |
| | See Appendix A | | | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info | |
| 1 | n/a | n/a | Failed | Deck board edge broke at the | |
| | | | | Panda Clip at 238.0 psf | |



Sample: B-3 Temperature:

| | | | = 3 3 1110 0110 | |
|--------------|---------------|--------------------------|---------------------|-------------------------------------|
| • | Title of Test | Pressure | Notes | |
| Load Test Ne | egative Load | 20.0 psf | | |
| | | See Appen | dix A | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.023" | None | Passed | |
| | | | | |
| Sample: B-3 | Temperature: | 78.1°F | Barometric | Reading: 30.05 inches Hg |
| • | Title of Test | Pressure | Notes | |
| Load Test Ne | egative Load | 40.0 psf | | |
| | | See Appen | dix A | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.042" | None | Passed | |
| | | | • | • |
| Sample: B-3 | Temperature: | 78.1°F | Barometric | Reading: 30.05 inches Hg |
| - | Title of Test | Pressure | Notes | |
| Load Test Ne | egative Load | 60.0 psf | | |
| | | See Appen | dix A | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.059" | None | Passed | |
| ı | 0.000 | NONE | rasseu | |
| ı | 0.009 | TNOTIC | rasseu | |
| Sample: B-3 | Temperature: | 78.1°F | | Reading: 30.05 inches Hg |
| | | | | Reading: 30.05 inches Hg |
| | Temperature: | 78.1°F | Barometric | Reading: 30.05 inches Hg |
| - | Temperature: | 78.1°F Pressure | Barometric Notes | Reading: 30.05 inches Hg |
| - | Temperature: | 78.1°F Pressure 80.0 psf | Barometric Notes | Reading: 30.05 inches Hg Add. Info |

78.1°F

| Sample: B-3 | Temperature: | 78.1°F | Barometric | Reading: 30.05 inches Hg |
|-------------|---------------|---------------|------------|--------------------------|
| | Title of Test | Pressure | Notes | |
| Load Test N | egative Load | 100.0 psf | | |
| | | See Append | lix A | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.086" | None | Passed | |

| Sample: B-3 | Temperature: | 78.1°F | Barometric | Reading: 30.05 inches Hg |
|-------------|--------------|---------------|------------|--------------------------|
| Tit | tle of Test | Pressure | Notes | |
| Load Test N | egative Load | 120.0 psf | | |
| | | See Append | ix A | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.102" | None | Passed | |



| Sample: B-3 Temperature: 78.1°F | | Barometric Reading: 30.05 inches Hg | |
|---------------------------------|--------------------------------------|---|--|
| itle of Test | Pressure | Notes | |
| gative Load | 140.0 psf | | |
| | See Appen | dix A | |
| Deflection | Permanent Set | Results | Add. Info |
| 0.133" | 0.003" | Passed | |
| | itle of Test gative Load Deflection | itle of Test Pressure gative Load 140.0 psf See Append Deflection Permanent Set | Fitle of Test Pressure Notes gative Load 140.0 psf See Appendix A Deflection Permanent Set Results |

| Sample: B-3 Temperature: 78.1°F | | Barometric Reading: 30.05 inches Hg | | |
|---------------------------------|---------------|-------------------------------------|---------|-----------|
| | Title of Test | Pressure | Notes | |
| Load Test N | egative Load | 160.0 psf | | |
| | | See Append | A xib | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.151" | 0.005" | Passed | |

| Sample: B-3 | mple: B-3 Temperature: 78.1°F Barometric Reading: 30.05 inches | | Reading: 30.05 inches Hg | |
|-------------|--|---------------|--------------------------|-----------|
| | Title of Test | Pressure | Notes | |
| Load Test N | egative Load | 180.0 psf | | |
| | | See Appen | dix A | |
| Reading# | Deflection | Permanent Set | Results | Add. Info |
| 1 | 0.168" | 0.006" | Passed | |

| Sample: B-3 | Temperature: | 78.1°F | Barometric | Reading: 30.05 inches Hg | | |
|----------------|---------------|---------------|------------|--------------------------|--|--|
| | Title of Test | Pressure | Notes | | | |
| Load Test N | egative Load | 200.0 psf | | | | |
| See Appendix A | | | | | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info | | |
| 1 | 0.191" | 0.009" | Passed | | | |

| Sample: B-3 | Temperature: | 78.1°F | Barometric Re | eading: 30.05 inches Hg | |
|-------------------------|--------------|---------------|---------------|-------------------------|--|
| Title of Test | | Pressure | Notes | | |
| Load Test Negative Load | | 220.0 psf | | | |
| See Appendix A | | | | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info | |
| 1 | 0.215" | 0.011" | Passed | | |

| Sample: B-3 Temperature: 78.1°F | | | Barometric Reading: 30.05 inches Hg | | | | |
|---------------------------------|----------------|---------------|-------------------------------------|------------------------------|--|--|--|
| | Title of Test | Pressure | Notes | | | | |
| Load Test Negative Load | | 240.0 psf | | | | | |
| | See Appendix A | | | | | | |
| Reading# | Deflection | Permanent Set | Results | Add. Info | | | |
| 1 | n/a | n/a | Failed | Deck board edge broke at the | | | |
| | | | | Panda Clip at 223.0 psf | | | |



Appendix A

| _ | _ | | _ | _ | $\overline{}$ |
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| Revision | Description | Effective Date | | | | |
|----------|-----------------|----------------|--|--|--|--|
| 0 | Initial Release | 1/31/2022 | | | | |

^{*} designates measurements by laboratory

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.

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.

Remarks

Detailed drawings and official test report will be retained by Fenestration Testing Laboratory for a period of five years from the original test date.

This product was tested in accordance with the ASTM E330-14 and meets the requirements of the standard.

^{**} as per manufacturer