

SUMMARY DATA
ICC-ES AC92 ACCEPTANCE CRITERIA FOR POLYMER-BASED, POLYMER-MODIFIED AND HIGH-PRESSURE LAMINATE EXTERIOR AND INTERIOR WALL CLADDING
Section 4.2 Freeze-thaw

General:

Client: Arcitell, LLC
Job Number: AL060920-30
Test Location: *ICC NTA*
Nappanee, Indiana

Date Received: 9/28/2020
Construction Date: 1/25/2021
Constructed By: Dave Lane

Procedure Specimens were larger than required due to specimen composition and size needed for flexural testing after freeze-Modifications: thaw.

Product Description:

Manufacturer: Arcitell, LLC
Trade Name/Designation: Qora Cladding
Material / Construction Description: Specimens were cut from 48-in. overall length to 34-in. length by cutting 14-in. off the non-tabbed end, retaining the tab section for testing purposes. The backs and edges were sealed with an impermeable material (GE 100% silicone sealant), which was allowed to cure for a minimum of 24 hours.

Test Data:

Performed By: Dave Lane
Witnessed By: Lucas Ward
Test Start Date: 1/25/2021
Test End Date: 2/19/2021

Apparatus:

Asset No.	
Oven:	02145
Oven Sensor:	02452
Water Sensor:	00394
Freezer:	02145
Freezer Sensor:	02452

Specimens were subjected to 10 freeze-thaw cycles.
Each cycle consists of air-drying at a temperature of 120°F for a minimum of eight hours, immersion in water at 70°F to 80°F for eight hours, and exposure to a temperature of -20°F for 16 hours.

Failure is defined as surface changes, as viewed by minimum 5× magnification, such as cracking, checking, crazing, erosion or other characteristics, that may affect performance as an exterior wall covering. There shall be no delamination, or indications of delamination, between components.

Specimen Number	Observations	Pass/Fail
1 129428	No evidence of cracking, checking, crazing, erosion or delamination was observed on the face of the material.	Pass
2 129429	No evidence of cracking, checking, crazing, erosion or delamination was observed on the face of the material.	Pass
3 129430	No evidence of cracking, checking, crazing, erosion or delamination was observed on the face of the material.	Pass
4 129431	No evidence of cracking, checking, crazing, erosion or delamination was observed on the face of the material.	Pass
5 129432	No evidence of cracking, checking, crazing, erosion or delamination was observed on the face of the material.	Pass
6 129433	No evidence of cracking, checking, crazing, erosion or delamination was observed on the face of the material.	Pass
7 129434	No evidence of cracking, checking, crazing, erosion or delamination was observed on the face of the material.	Pass
8 129435	No evidence of cracking, checking, crazing, erosion or delamination was observed on the face of the material.	Pass
9 129436	No evidence of cracking, checking, crazing, erosion or delamination was observed on the face of the material.	Pass
10 129437	No evidence of cracking, checking, crazing, erosion or delamination was observed on the face of the material.	Pass

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