

EVALUATOR

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REPORT HOLDER

CXT Inc.
11325 County Road 44
Leesburg, FL 34788

1. SUBJECT

8-in. Envirocast Wall Panel System
FL47168.2-R1

2. SCOPE

2.1 8-in. Envirocast Wall Panel System has been evaluated for wind load and wind-borne debris resistance in accordance with ACI 318 and related design standards as referenced by the Florida Building Codes Eighth Edition (2023), *Building and Residential*.

3. USES

8-in. Envirocast Wall Panel System was evaluated as a Panel Wall – Products Introduced as a Result of New Technology.

4. DESCRIPTION

4.1 General. **8-in. Envirocast Wall Panel System** is comprised of precast modular wall panels furnished with integral EPS insulation and cold-formed steel (CFS) studs. Refer to the Installation Instructions for additional details on materials, parts, and assemblies.

4.2 Materials

- 4.2.1** 5000 psi concrete with ASTM A615 GR 60 reinforcement.
- 4.2.2** A36 steel connection plates and hardware.
- 4.2.3** EPS foam insulation.
- 4.2.4** 20-gauge G60 non-structural CFS studs.

5. DESIGN

5.1 Overall Structural System. The scope of this report is limited to the evaluation of the **8-in. Envirocast Wall Panel System** as a vertically-spanning wall panel to resist transverse wind loads and wind-driven debris. The overall structural system of the building is beyond the scope of this evaluation report, however the materials and designs used in the 8-in. Envirocast Wall Panel System may be designed by a design professional using code-referenced design standards.

5.2 Design Wind Loads. Design wind loads to be resisted by the product shall be determined using Chapter 16 of the Florida Building Code. These wind loads are compared to the allowable (strength) design pressures of +/- 85 psf.

5.3 Resistance to Impact from Wind-Borne Debris. The exterior face of the 8-in. Envirocast Wall Panel System is comprised of solid normal weight reinforced concrete 3 inches thick and is deemed to comply with Florida Building Code requirements for resistance to Wind-Borne Debris.

6. INSTALLATION

6.1 General. **8-in. Envirocast Wall Panel System** shall be identified and erected in accordance with this report, the approved construction documents and the Florida Building Code. Lifting and temporary bracing during erection are outside of the scope of this evaluation report.

6.2 Anchorage. The Envirocast Wall Panels shall be anchored to 3500 min. psi concrete footers using 1/2" x 8" Simpson Titen HD anchors (or approved alternate). Refer to the Installation Instructions for maximum anchor spacing and minimum embedment and edge distance requirements. Alternate anchorage methods may be designed by a registered Florida design professional.

7. CONDITIONS OF USE

The **8-in. Envirocast Wall Panel System** as described in this report complies with the Florida Building Code including requirements for the High Velocity Hurricane Zones, subject to the following conditions:

7.1 Installation complies with this report and the installation instructions.

7.2 Conditions not specifically addressed by this report, including anchorage of fenestration, shall be designed by a registered Florida design professional.

7.3 Weatherproofing and fire classification are beyond the scope of this report.

8. EVIDENCE SUBMITTED

The Evaluator has examined the following evidence to evaluate this product:

8.1 FL15730-R9, Structural Components, Titen HD Anchors, Approved 12/01/2023

8.2 Calculation Report *EOC 25-15 Rev 1*

8.2.1.1 Signed/Sealed by Gary Hartman, P.E. on June 19, 2025

8.3 Calculation Report *8-in. EnviroCast Panel Base Anchorage Shear Capacity*

8.3.1.1 Signed/Sealed by Gary Hartman, P.E. on June 19, 2025

10. QUALITY ASSURANCE

8-in. Envirocast Wall Panel System is manufactured under a quality assurance program audited by an approved quality assurance entity in accordance with the Florida Building Code and Rule 61G20-3.

11. CERTIFICATION OF INDEPENDENCE

11.1 Neither Gary T. Hartman nor ICC-ES dba ICC NTA, LLC has, nor will they acquire, a financial interest in any company manufacturing or distributing products for which evaluations or testing are performed.

11.2 Neither Gary T. Hartman nor ICC-ES dba ICC NTA, LLC are controlled by any company manufacturing or distributing products they evaluate or test



06/19/2025

This item has been electronically signed and sealed by Gary Hartman using an SHA authentication code.

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