



Delivering L.B. Foster innovation



CONCRETEPRODUCTS

Envirocast® Wall System

Two-Hour Fire-Rating Certification

Envirocast® Wall System Achieves Two-Hour Fire-Rating Certification

CXT® Inc., a subsidiary of L.B. Foster, officially achieved a two-hour fire-resistance rating for the 10.5" thick Envirocast wall panel system. Envirocast, a factory-cast panel system with integral concrete, insulation and metal studs, provides a rapidly erected solution for the exterior walls of residential and light commercial buildings.

The two-hour fire-resistance rating was achieved following testing and evaluation in accordance with ASTM E-119 that was completed by an independent company, ICC-Evaluation Service (ICC-ES), at their Bryan, TX testing facility. During the test, Envirocast panels were subjected to furnace temperatures exceeding 1,800 degrees Fahrenheit while experiencing over 35,000 lbs of load delivered by hydraulic pistons.

The fire-resistance rating makes the Envirocast system a code-compliant solution for a wide range of multifamily and commercial applications under the Florida Building Code (FBC) Sections 706 and 707. This certification represents a major milestone for the product line and provides builders, developers, and designers with a faster, simpler way to meet critical fire-safety requirements, without the complexity of traditional site-built wall assemblies.

Section 706 of FBC requires two-hour fire-rated party walls in many multifamily residential applications. Party walls are shared, separation walls between attached units; the 10.5" Envirocast system meets the two-hour fire-rating requirement and is suitable for occupancy groups F-2, S-2, R-3, and R-4. These groups include townhomes, condominiums, and other attached residential buildings where fire separation between units is mandatory. In addition, the 10.5" wall panel system is certified for use as a fire barrier under FBC Section 707 and is approved for a broad range of occupancy. This versatility allows the same wall system to be specified across multiple building types, simplifying design and coordination.

Unlike conventional fire-rated walls that require multiple layers and on-site assembly to achieve compliance, the 10.5" Envirocast system arrives already fire-rated. This eliminates the need for time-consuming stick-built or masonry-built construction to meet the two-hour requirements.

Pre-assembled and rated panels significantly reduce site labor, streamline installation, and help projects move forward more efficiently, an important advantage in today's fast-paced construction environment. By minimizing on-site labor and processes with factory-quality, pre-assembled and pre-inspected product, the Envirocast system can help reduce overall wall assembly costs compared to traditional methods, depending on project scope and conditions.

- > Envirocast has a 2-hr fire rating in accordance with ASTM E-119 testing & evaluation.
- > Envirocast complies with Section 706 of the Florida Building Code for separation walls between multifamily units.
- > Pre-assembled and fire-rated Envirocast panels significantly reduce site labor.



The two-hour fire-rating certification reinforces CXT's commitment to delivering innovative, code-compliant building solutions that save time, simplify construction, and support safer buildings. With the fire-rated Envirocast wall panel system, meeting Florida building code fire requirements is now faster and more straightforward than ever.

Contact CXT today to learn how this newly certified wall system can support your next projects.

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