



HUNTER  
CONTINUOUS INSULATION

# Hunter Xci Tech Topic #103

## ASTM E 84

**Question:** What are the ASTM E84 classifications of Hunter Xci products?

**Answer:** Both the International Building Code (IBC) and the International Residential Code (IRC) prescribe general fire test requirements for foam plastic insulations. ASTM E 84 is one of the referenced tests. It assigns index numbers to surface burning and smoke development characteristics of products tested.

**Classifications under ASTM E84 include:**

Class A: Flame spread index 0-25; smoke-developed index 0-450.

Class B: Flame spread index 26-75; smoke-developed index 0-450.

Class C: Flame spread index 76-200; smoke-developed index 0-450.

**Hunter Xci products carry the following index ratings per ASTM E84:**

Product	Flame Spread	Smoke Development
Xci Foil (Class A)	<25	<250
Xci CG (Class A)	<25	<250
Xci Ply (Class A)	<25	<250
Xci 286	<25	<250
Xci Foil	<75	<450
Xci CG	<75	<450
Xci Concast	<75	<450
Xci Ply/Xci NB	<75 (Foam Only)	<450 (Foam Only)

*See Hunter Panels DRJ Engineering Technical Evaluation Reports in the Technical section on [hunterpanels.com](http://hunterpanels.com)*

While ASTM E 84 assigns an index number, there are other fire tests referenced in the IBC that also must be considered. Large scale, full assembly testing, such as NFPA 285, are being used to provide a more encompassing evaluation of product performance in the wall. These tests evaluate product performance in the actual built wall assembly. Per chapter 26 of the IBC, such large scale testing of specific assemblies may exempt foam plastic insulation materials from specific ASTM E-84 index valuations.

Hunter Xci Flame Spread and Smoke Developed results can be verified in a 3rd party independent technical evaluation report conducted by DRJ Engineering, TER No. 1402-02, and is located on the Hunter Panels website.

<https://www.hunterpanels.com/xci-polyiso-wall-products/third-party-evaluations-code-documents>