



HUNTER  
CONTINUOUS INSULATION

# Hunter Xci Tech Topic #101

## ASTM C 1289

### Question: How does ASTM C 1289 classify foam insulation?

**Answer:** ASTM C 1289 is a standard developed by ASTM members that classifies the design requirements for a specific material, product, system and service. All faced rigid polyisocyanurate manufacturers are required to manufacture and test to the standards of ASTM C1289. This standard classifies faced polyiso panels by type, class, and grade.

### ASTM C 1289 Type I Class I Grade 2

**TYPE** Refers to the facer material that is bonded to the foam. Below is a list of common types of facers used in the commercial wall market.

Type	Description
I	Foil Facer
II	Glass Mat Faced
V	Plywood or OSB on one side, Fibrous Felt or Glass Fiber Mat on the other side.

**CLASS for Type I Materials** For foil faced polyiso the “Class” designation refers to whether or not the foam core is glass fiber reinforced.

Class	Description
1	Non-Reinforced Foam Core (Hunter XCI Foil, Xci 286, Xci Class A, Xci ConCast)
2	Glass Fiber Reinforced Foam Core

**CLASS for Type II Materials** For glass mat faced polyiso the “Class” designation refers to the material used in conjunction with the glass mat. Currently, all Type II polyiso products for commercial wall applications fall into the Class 2 category.

Class	Description
2	Polymer Bonded Glass Fiber Mat both sides, Coated Glass (Xci CG)
3	Glass Mat Only

**GRADE** Refers to the products compressive strength. Compressive strength is reported in terms of PSI. Most polyiso is available in all 3 grades.

Grade	Description
1	16psi min
2	20psi min (Standard for all XCI products)
3	25psi min

## Hunter Panels Polyiso Product Classifications

Type I	Type II	Type V
All foil facers both sides		Plywood or OSB on one side, Glass Fiber Mat on the other side
<b>Class 1</b> Non Reinforced Foam Core	<b>Class 2</b> Polymer Bonded Glass Fiber Mat both sides	
Available in: Grade 2 (20 PSI) standard or Grade 3 (25 PSI) • Xci Foil* • Xci Class A Foil • Xci 286† • Xci ConCast  *Xci Foil also available in Grade 1, 16 PSI †Xci 286 only available in 25 PSI	Available in: Grade 2 (20 PSI) standard or Grade 3 (25 PSI) • Xci CG	Available in: Grade 2 (20 PSI) standard or Grade 3 (25 PSI) • Xci Ply • Xci NB

**Note:** Except where noted, Hunter Panels does not make Grade 1, 16 PSI