



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.

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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
2	Glass Fiber Reinforced Foam Core or Non-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
3	Glass Mat Only

GRADE Refers to the product's compressive strength for permeable faced products. Compressive strength is reported in terms of PSI. Several polyiso products are available in multiple 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
Foil facers both sides		Plywood or OSB on one side, Glass Fiber Mat on the other side
Class 1	Class 2 Polymer Bonded Glass Fiber Mat both sides	
<i>Available in:</i> 20 psi (standard) and 25 psi • Xci Foil • Xci Foil (Class A) • Xci 286 • Xci ConCast	• Xci CG: 20 psi standard, 25 psi available • Xci CG (Class A): 20 psi standard	<i>Available in:</i> 20 psi (standard) and 25 psi • Xci Ply • Xci Ply (Class A) • Xci NB