

Cladding Corp and Hunter Panels Xci Polyiso

A Continuous Insulation Solution for Exterior Wall Applications



CLADDING CORP
THE 1ST NAME IN RAINSCREEN

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A NEW APPROACH

For the first time, Hunter Panels, innovators in polyiso rigid insulation, and Cladding Corp, North America's rainscreen solution provider, have developed a complete ceramic rainscreen wall solution that addresses all aspects of the building envelope using the leading ceramic cladding panel – **Ceramic5**.

THE COMPLETE C.I. SOLUTION

Meeting the most current ASHRAE 90.1, IECC, IBC and IRC standards is one of the most critical requirements for designers and installers alike. Hunter Xci Ply's high thermal rigid insulation panel, coupled with an engineered **Ceramic5** drained and back-ventilated rainscreen assembly provides a complete continuous insulation (ci) solution that allows maximum installation flexibility and industry leading performance.

COMPLIMENTARY PRODUCTS

The Hunter Panels and Cladding Corp partnership delivers a single source ceramic rainscreen cladding wall assembly – including the connections of the ceramic system to the Hunter Xci Ply panels and to the backup wall.

CODE COMPLIANCE AND NFPA 285

The combined Hunter Xci Ply and **Ceramic5** wall assembly can meet ASHRAE 90.1, IBC and IRC standards, and can be used together within numerous NFPA 285 compliant assemblies. Contact Hunter Panels for more details.

Hunter Panels Xci Ply

DESCRIPTION

Hunter Xci Ply is a high thermal rigid insulation panel composed of a closed cell polyisocyanurate foam core bonded to a premium performance coated glass facer on one side and 5/8" or 3/4" fire treated plywood on the other. It is designed for use in commercial wall applications to provide continuous insulation within the building envelope.

FEATURES AND BENEFITS

- Polyiso offers highest R-value per inch of any foam plastic board insulation
- Designed for use in continuous insulation to assist in meeting the most current ASHRAE 90.1, IECC, IBC and IRC standards
- A superior combination of high insulating properties and mechanically attachable surface
- Manufactured with NexGen Chemistry: Contains no CFCs, HCFCs, is Zero ODP, and has virtually no GWP
- Incorporates APA-TECO Rated Exposure Fire Treated Plywood
- Provides improved dimensional stability and fire performance

APPLICATIONS

- Provides continuous insulation (ci) for standard wood frame, FRT wood frame, steel stud, CMU and concrete exterior wall constructions
- Compatible with **Ceramic5** porcelain panels and rainscreen attachment assemblies.
- Optimal substrate for mechanically attaching cladding materials
- Suitable for many commercial wall assemblies

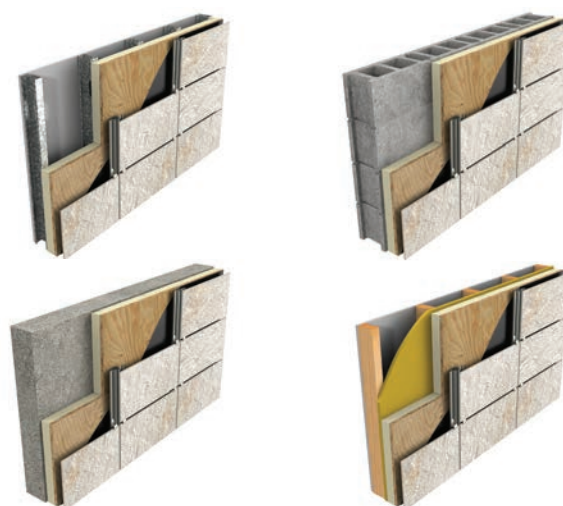
PANEL CHARACTERISTICS

- ASTM C 1289 Type V made with Type II Class 2 foam
- Panel dimensions are 48" x 96"
- Available with FSC® Certified fire-treated plywood (special order)
- Multiple substrate types available: 5/8" or 3/4" Fire Treated Plywood

Hunter Xci Ply Thermal Values		
Thickness* (in)	Thickness* (mm)	R-Value
1.6	41	6.6
2.1	53	9.6
2.6	66	12.7
3.1	79	15.9
3.6	91	19.1

Thermal values as per ASTM C 518 in accordance with ASTM C 1289.

*Thicknesses calculated with 5/8" plywood



Hunter Xci Ply Physical Property Data Chart		
polyiso foam core only		
Property	Test Method	Value
Compressive Strength	ASTM D 1621	20 psi* min. (138 kPa, Grade 2)
Dimensional Stability	ASTM D 2126	2% linear change (7 days)
Moisture Vapor Permeance	ASTM E 96	<1 perm (57.5ng/(Pa·s·m²))
Water Absorption	ASTM C 209	< 0.1% volume
Service Temperature		-100° to 250° F (-73°C to 122°C)
Resistance to Mold	ASTM D 3273	Passes (10)

*Also available in grade 3 (25 psi)



Made of natural raw materials, porcelain-grade ceramic panels are through-body colored, light-weight and economical. Pollution resistant and maintenance-free, our porcelain stone panels, when combined with Hunter Xci Ply, offer an elegant, high-performance rainscreen solution at an exceptional value. Ideal for high-traffic environments, **Ceramic5** panels provide a wide range of unalterable colors that are not affected by light or weathering -

Ceramic5

DESCRIPTION

Ceramic5 offers light weight panels (less than 6lbs/sf) as an ideal solution for new or retrofit construction. The panels are full-bodies color and excellent for high traffic areas. They come in standard format sizes and have a variety of in demand finishes. This fully developed and proven cladding system effectively protects the building structure and with it the whole building from the elements. The panels are rot resistant, incombustible and virtually maintenance free.

COMPATIBILITY

Ceramic5 are available in a variety of sizes and provide an extensive range of design options that are all maintenance free. Pairing these ceramic panels with Hunter's Xci Ply gives both designers and installers a cost effective wall to achieve both thermal and engineering needs, compared to complete stud wall assemblies.

FASTENING

Several factors are involved in the proper fastening of **Ceramic5** panels and vertical rails to Hunter Xci Ply. Please consult Cladding Corp or Hunter Panels for specific information regarding detailing and fastener type.

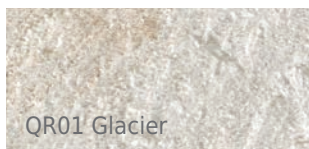


** The location and number of WRB's in the wall assembly are determined by the architect. Contact Hunter Panels for a list of approved WRB's for each assembly.*

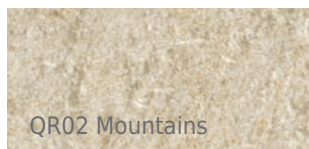
STANDARD COLOR PALETTE

PETRA

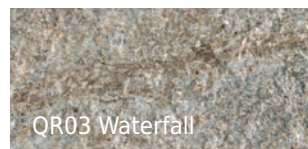
The Petra Collection provides the beauty of stone, but with all of the advantages of a ceramic tile. Petra tiles achieve the warmth and delicacy found in stones, using essential colors and natural shades.



QR01 Glacier



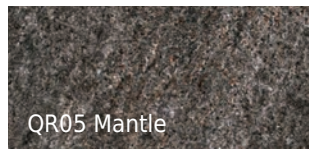
QR02 Mountains



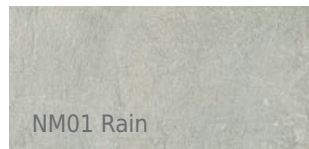
QR03 Waterfall



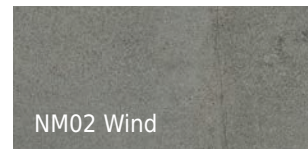
QR04 River



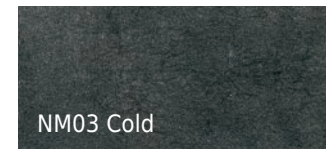
QR05 Mantle



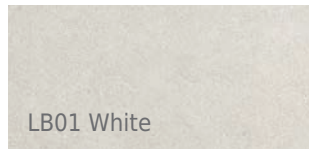
NM01 Rain



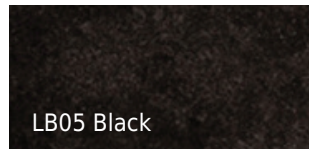
NM02 Wind



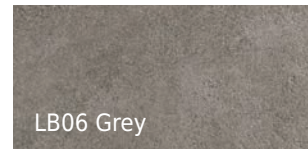
NM03 Cold



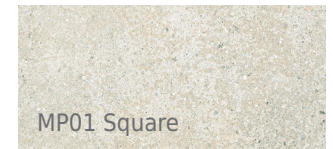
LB01 White



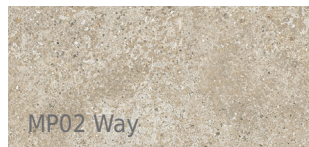
LB05 Black



LB06 Grey



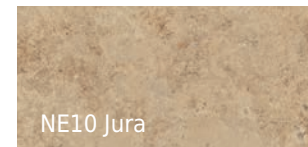
MP01 Square



MP02 Way



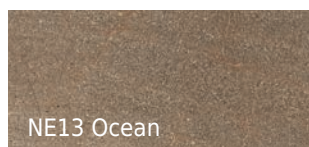
MP03 Block



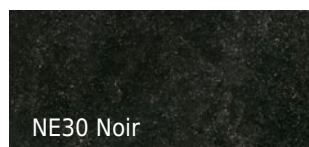
NE10 Jura



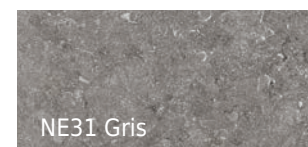
NE12 Bourgogne



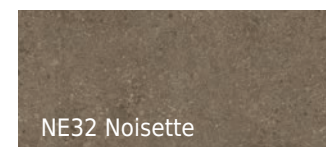
NE13 Ocean



NE30 Noir



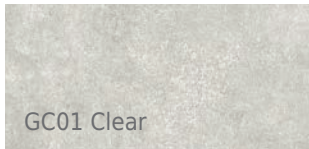
NE31 Gris



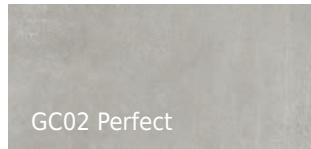
NE32 Noisette

CONCRETE

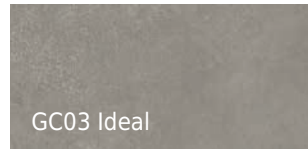
Simple, neutral and with an appealing material quality: these are the defining features that have shaped the new smooth Concrete collection.



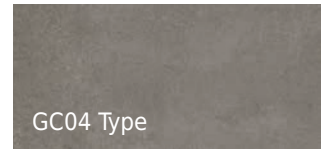
GC01 Clear



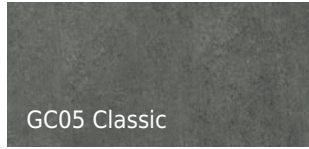
GC02 Perfect



GC03 Ideal



GC04 Type



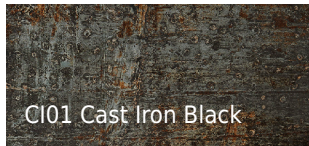
GC05 Classic



GC06 Absolute

METALLICS

Reaching beyond the boundaries of traditional ceramic stone, the Metallics Collection serves as a creative reinterpretation of the patinas of metal and the textures of other materials.



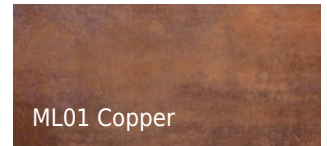
CI01 Cast Iron Black



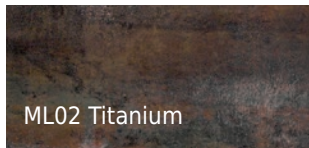
CI02 Cast Iron Oxidum



CI03 Cast Iron White



ML01 Copper



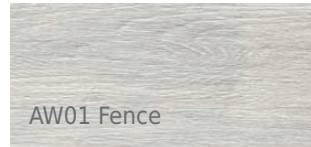
ML02 Titanium

TIMBER

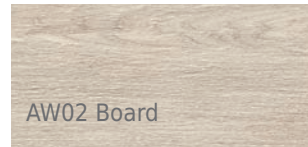
Gain the natural beauty and warmth of woodgrain panels with the Timber Collection. Timber provides the organic appearance of natural wood with all the maintenance-free advantages of a ceramic tile.



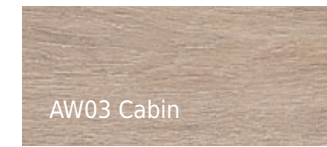
SI04 Havana



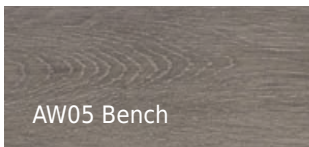
AW01 Fence



AW02 Board



AW03 Cabin



AW05 Bench



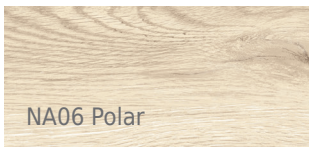
NA01 Fado



NA02 Indie



NA04 Zen



NA06 Polar

STANDARD SIZES

PETRA / SOLID / METALLICS STANDARD SIZES:

11.81" x 23.62"	(30cm x 60cm)
23.62" x 23.62"	(60cm x 60cm)
23.62" x 47.24"	(60cm x 120cm)

TIMBER STANDARD SIZES:

7.87" x 47.24"	(20cm x 120cm)
8.89" x 70.87"	(22.5cm x 180cm)