



Hunter Xci Ply and Xci Ply (Class A) – Wall Assembly Guide Summary

Per Chapter 26 of the International Building Code, the wall assembly shall be tested in accordance with and comply with the acceptance criteria of NFPA 285. The listed assemblies in this document have met that criteria.

I BASE WALL SYSTEM

Steel Stud — 1 layer 5/8" thick Type X Gypsum wallboard on interior, installed over steel studs: minimum 3 5/8" depth, minimum 22 gauge at a maximum of 24 inch o.c. with lateral bracing every 4 ft vertically.

II CLADDING FAMILY TYPE

Masonry—Brick veneer anchors, standard types, installed maximum 24 inches o.c. vertically. Maximum 2 inch air gap between exterior insulation and brick. Standard nominal 4 inch thick or greater, clay brick.

Thin Brick, Cultured Stone—Set in thin set adhesive and metal lath that has been tested to and passed the ASTM E119 standards or passed NFPA 285 at 3/4" minimum.

TABS Panel II System—1/2" thick bricks using TABS Wall Adhesive. Glen Gery - Thin Tech Elite.

Limestone or Natural Stone—Minimum 2.0" thick, Limestone or Natural Stone Veneer. Any standard non-open joint installation technique can be used.

Stone Aluminum—Stone Aluminum Honeycomb Composite Panels that have been successfully tested by the panel manufacturer via the NFPA 285 test method. Any standard installation technique can be used.

Cast Artificial Stone—Minimum 1 1/2" thick complying with ICC-ES AC51. Any non-open joint installation technique such as shiplap may be used.

Fiber Cement Porcelain, Ceramic Tile—Minimum 1/4" thickness. Any standard installation technique can be used.

Terra Cotta Cladding—Use any Terra Cotta Cladding System in which Terra Cotta is minimum 1/2". Any non-open joint installation technique or ventilated shiplap may be used.

Autoclaved Aerated Concrete—AAC panels that have successfully passed NFPA 285 criteria.

Metal Exterior—Metal Exterior wall coverings such as Steel, Aluminum, Copper and Zinc (Zinc with Class A only). Any standard installation technique can be used.

MCM System—Use any Metal Composite Material system that has been successfully tested by the panel manufacturer via the NFPA 285 test method. Any standard installation technique can be used.

Stucco—Minimum 1/2" thick, Exterior Cement Plaster and Lath.

HPL—FunderMax m.look minimum 1/4" thick using any standard installation technique.

III MATERIAL OPTIONS

1) 4.2" max thickness of **Hunter Xci Ply** and **Xci Ply (Class A)**, inclusive of factory adhered 5/8" or 3/4" Fire Treated Plywood within overall max thickness

2) 4.7" max thickness of **Hunter Xci Ply** and **Xci Ply (Class A)**, inclusive of factory adhered 5/8" or 3/4" Fire Treated Plywood within overall max thickness with non-combustible claddings¹

IV FLOORLINE FIRESTOPPING

Mineral fiber based safing insulation in each cavity at floor line. Safing thickness must match cavity depth. OR Solid FRTW blocking at floor line in accordance with building code requirements for Type III construction.

V STUD CAVITY

Any noncombustible insulation, Carlisle SPI SealTite PRO CC¹, BASF Walltite¹, NCFI InsulBlock SPF^{1,2}, Icynene MD-C-200v3 (ProSeal) up to 5 1/2" ^{1,2}, SWD Urethane Quik-Shield 112^{1,2}, 1.5" minimum Thermosteal 2000 (up to full cavity)², or None

VI EXTERIOR SHEATHING

1) 1/2" (min) thick exterior gypsum sheathing OR 1/2" (min) FRTW structural panels in Type III construction OR None¹

2) USG Securock Exoair 430 System³

3) 5/8" Georgia Pacific DensElement flashed with Prosoco R-Guard FastFlash on sheathing joints³

¹Contact Hunter Panels for details regarding this option. ²Can only be used with 1/2" or greater Gypsum Sheathing. ³When this is used, do not use WRB on base wall surface.



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VII WEATHER RESISTIVE MEMBRANE APPLIED TO BASE WALL

- 1) None
- 2) Hunter Panels Xci VP-SA WRB
- 3) Carlisle Fire Resist 705 RS, Fire Resist Barrithane VP, Fire Resist 705 VP, Fire Resist 705 FR-A, Fire Resist Barritech NP, Fire Resist Barritech VP (or VP LT)
- 4) GE Momentive SEC 2500 SilShield, Elemax 2600
- 5) Vaproshield Wrapshield SA, RevealShield SA
- 6) WR Grace Perm-A-Barrier VPS, Perm-A-Barrier NPL, Perm-A-Barrier VPL, Perm-A-Barrier Aluminum Wall Membrane, Perm-A-Barrier VPL LT, Perm-A-Barrier NPL 10¹, Perm-A-Barrier VPL 50¹
- 7) StoGuard Vaporseal, Sto Gold Coat or Emerald Coat
- 8) 3M 3015
- 9) Henry Air-Bloc 17MR, Air-Bloc 21S, Air-Bloc 31MR, Air-Bloc 33MR and Air-Bloc 16MR, Blueskin VP 160
- 10) DuPont Tyvek CommercialWrap, CommercialWrap D, StuccoWrap Fluid Applied WB¹
- 11) PolyGuard Air Lok Flex VP, FlexGuard, Air Lok Flex¹
- 12) Prosoco R-Guard Cat 5, R-Guard Cat 5 Rainscreen, R-Guard VB or R-Guard Spray Wrap MVP
- 13) Dryvit Backstop NT
- 14) Cosella Dorken Delta-Vent SA, Delta-Vent S, Delta-Fassade S, Delta-Maxx, Delta Stratus SA
- 15) WR Meadows Air-Shield LMP (Gray or Black), Air-Shield TMP, Air-Shield LSR, Air-Shield SMP
- 16) BASF Enershield HP or Enershield I
- 17) Soprema Sopreseal Stick VP, Soprasolin HD, LM 204 VP, Stick 1100T¹
- 18) Pecora XL Perm Ultra VP, XL Perm Ultra NP, ProPerm VP
- 19) Siga Majvest or Majvest 500 SA
- 20) Tremco ExoAir 230 or ExoAir 130
- 21) Fortifiber WeatherSmart Housewrap, WeatherSmart Drainable, WeatherSmart Commercial, Super Jumbo Tex 60
- 22) USG Securock Exoair 430 System
- 23) 5/8" Georgia Pacific DensElement flashed with Prosoco R-Guard FastFlash on sheathing joints
- 24) Dow Corning DefendAir 200 (or LT version) or DefendAir 200C (charcoal)
- 25) Hohmann & Barnard Enviro Barrier and Enviro Barrier VP
- 26) STS FW100 or FW100A
- 27) Karnak 321 K-NRG
- 28) NaturaSeal AirSeal NS-A-250LP, AirSeal NS-A-250HP
- 29) Jumpstart HWW-65A, HWW-65B, HWHP-80A, HWMP-90A, HWD2-72A, HWHPT-92A, HWMPC-105A
- 30) Master Wall Rollershield
- 31) Parex WeatherSeal Spray & Roll-On

VIII WEATHER RESISTIVE MEMBRANE APPLIED TO EXTERIOR INSULATION

Hunter recommends a vapor permeable barrier over Xci Ply and Xci Ply Class A. The barriers listed here are approved for NFPA 285 compliance but include options outside of the recommended permeance range. Please contact Hunter Panels for more details.

- 1) Hunter Panels Xci VP-SA WRB
- 2) Carlisle Fire Resist 705 RS, Fire Resist Barrithane VP, Fire Resist 705 VP, Fire Resist 705 FR-A, Fire Resist Barritech VP, Fire Resist Barritech VP LT, Fire Resist Barritech NP
- 3) GE Momentive SEC 2500 SilShield
- 4) Vaproshield Wrapshield SA, RevealShield SA
- 5) WR Grace Perm-A-Barrier NPL, Perm-A-Barrier VPL, Perm-A-Barrier Aluminum Wall Membrane, Perm-A-Barrier VPL LT, Perm-A-Barrier VPS
- 6) Henry Air-Bloc 17MR, Air-Bloc 21S, Air-Bloc 31MR, Air-Bloc 33MR, Air-Bloc 16MR, Blueskin VP 160
- 7) DuPont Tyvek CommercialWrap or StuccoWrap
- 8) PolyGuard Air Lok Flex VP, FlexGuard, Air Lok Flex¹
- 9) Prosoco R-Guard Cat 5, R-Guard Cat 5 Rainscreen, R-Guard VB or R-Guard Spray Wrap MVP
- 10) Dryvit Backstop NT
- 11) Cosella Dorken Delta-Vent SA, Delta-Vent S, Delta-Fassade S, Delta-Maxx
- 12) Sto Gold Coat, Emerald Coat
- 13) WR Meadows Air-Shield LMP (Gray or Black), Air-Shield TMP, Air-Shield LSR, Air-Shield SMP
- 14) Soprema Sopreseal Stick VP, Soprasolin HD
- 15) Pecora XL Perm Ultra VP, XL Perm Ultra NP, ProPerm VP
- 16) Siga Majvest
- 17) Fortifiber WeatherSmart Housewrap, WeatherSmart Drainable, WeatherSmart Commercial
- 18) Dow Corning DefendAir 200 (or LT version) or DefendAir 200C (charcoal)
- 19) Hohmann & Barnard Enviro Barrier VP
- 20) STS FW100A
- 21) Karnak 321 K-NRG
- 22) Jumpstart HWW-65A, HWW-65B, HWHP-80A, HWMP-90A, HWD2-72A, HWHPT-92A, HWMPC-105A
- 23) Master Wall Rollershield
- 24) Parex WeatherSeal Spray & Roll-On

¹Contact Hunter Panels for details regarding this option.

The location and number of WRBs in the wall assembly are determined by the architect.