

# XCI FOIL CLASS A, XCI FOIL CLASS A PLUS, AND XCI 286

## STEEL STUD

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.



### NFPA 285 WALL ASSEMBLY GUIDE SUMMARY

#### 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" o.c. with lateral bracing every 4' vertically.

#### II CLADDING FAMILY TYPE

**Masonry**—Brick veneer anchors, standard types, installed maximum 24" o.c. vertically. Maximum 2" air gap between exterior insulation and brick. Standard nominal 4" 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 E 119 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" 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 and Class A Plus 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. 3.5" max thickness of Hunter Xci Foil Class A, Xci Foil Class A Plus, and Xci 286
2. 4" max thickness of Hunter Xci Foil Class A, Xci Foil Class A Plus, and Xci 286 with non-combustible claddings<sup>1</sup>

#### 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 CC<sup>1</sup>, BASF Walltite<sup>1</sup>, NCFI InsulBlock SPF<sup>1,2</sup>, Icynene MD-C-200v3 (ProSeal) up to 5 1/2"<sup>1,2</sup>, SWD Urethane Quik-Shield 112<sup>1,2</sup>, 1 1/2" minimum Thermosteal 2000 (up to full cavity)<sup>2</sup>, 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 None<sup>1</sup>
2. USG Securock Exoair 430 System<sup>3</sup>
3. 5/8" Georgia Pacific DensElement flashed with Prosoco R-Guard FastFlash on sheathing joints<sup>3</sup>

<sup>1</sup>Contact Hunter Panels for details regarding this option.

<sup>2</sup>Can only be used with 1/2" or greater Gypsum Sheathing.

<sup>3</sup>When this is used, do not use WRB on base wall surface.

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

## 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. CCW-705<sup>1</sup> with 702 LV, 702 WB, Cav-Grip, Low VOC Travel-Tack
5. GE Momentive SEC 2500 SilShield, Elemax 2600
6. Vaproshield Wrapshield SA, RevealShield SA
7. 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 10<sup>1</sup>, Perm-A-Barrier VPL 50<sup>1</sup>
8. StoGuard Vaporseal, Sto Gold Coat or Emerald Coat
9. 3M 3015
10. Henry Air-Bloc 17MR, Air-Bloc 21S, Air-Bloc 31MR, Air-Bloc 33MR, Air-Bloc 16MR, Blueskin SA<sup>1</sup>, Blueskin VP 160
11. DuPont Tyvek CommercialWrap, CommercialWrap D, or StuccoWrap
12. PolyGuard Air Lok Flex VP, FlexGuard, Air Lok Flex<sup>1</sup>
13. Prosoco R-Guard Cat 5, R-Guard Cat 5 Rainscreen, R-Guard VB or R-Guard Spray Wrap MVP
14. Dryvit Backstop NT
15. Cosella Dorken Delta-Vent SA, Delta-Vent S, Delta-Fassade S, Delta-Maxx, Delta Stratus SA
16. WR Meadows Air-Shield LMP (Gray or Black), Air-Shield TMP, Air-Shield LSR, Air-Shield SMP
17. BASF Enershield HP or Enershield I
18. Soprema Sopreseal Stick VP, Soprasolin HD, LM 204 VP, Stick 1100T<sup>1</sup>
19. Pecora XL Perm Ultra VP, XL Perm Ultra NP, ProPerm VP
20. Siga Majvest or Majvest 500 SA
21. Tremco ExoAir 230 or ExoAir 130
22. Fortifiber WeatherSmart Housewrap, WeatherSmart Drainable, WeatherSmart Commercial, Super Jumbo Tex 60
23. USG Securock Exoair 430 System
24. 5/8" Georgia Pacific DensElement flashed with Prosoco R-Guard FastFlash on sheathing joints
25. Dow Corning DefendAir 200 (or LT version) or DefendAir 200C (charcoal)
26. Hohmann & Barnard Enviro Barrier and Enviro Barrier VP
27. STS FW100 or FW100A
28. Karnak 321 K-NRG
29. NaturaSeal AirSeal NS-A-250LP, AirSeal NS-A-250HP
30. Jumpstart HWW-65A, HWW-65B, HWHP-80A, HWMP-90A, HWD2-72A, HWHPT-92A, HWMPC-105A
31. Master Wall Rollershield
32. Parex WeatherSeal Spray & Roll-On

## VIII WEATHER RESISTIVE MEMBRANE APPLIED TO EXTERIOR INSULATION

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

<sup>1</sup> Contact Hunter Panels for details regarding this option.

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

CONTINUOUS INSULATION

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