

Construction #20: Concrete Deck. Minimum 2 in. (50 mm) thick or tapered ACFoam Composite/PB (perlite side up) roof insulation secured to structural concrete deck with Weather-Tite Insulation Adhesive applied at approximately 1 gal/sq (0.4 L/m² — approximately ¾ in. (19 mm) wide ribbons 12 in. (305 mm) on center) or a full mopping of hot asphalt at 20 to 25 lbs/sq (1.0 to 1.2 kg/m²). Hurricane Ply Plus or Hurricane Ply non torchable base ply adhered to the composite board and Hurricane Ply Plus or Hurricane Ply non torchable cap sheet adhered to the base ply with Weather-Tite Hurricane Force Membrane Adhesive applied with a notched squeegee in a full coverage application at a rate of 1.5 to 2 gal/sq (0.6 to 0.8 L/m²) or a full mopping of hot asphalt at 20 to 25 lbs/sq (1.0 to 1.2 kg/m²). Meets Class 1-150 windstorm classification.

Construction #21: Concrete Deck. Tapered Foamglas Block roof insulation secured to structural concrete deck with Weather-Tite Insulation Adhesive applied at approximately 1 gal/sq (0.4 L/m² — approximately ¾ in. (19 mm) wide ribbons 12 in. (305 mm) on center) or a full mopping of hot asphalt at 20 to 25 lbs/sq (1.0 to 1.2 kg/m²). Hurricane Ply Plus or Hurricane Ply non torchable base ply adhered to the roof insulation and Hurricane Ply Plus or Hurricane Ply non torchable cap sheet adhered to the base ply with Weather-Tite Hurricane Force Membrane Adhesive applied with a notched squeegee in a full coverage application at a rate of 1.5 to 2 gal/sq (0.6 to 0.8 L/m²) or a full mopping of hot asphalt at 20 to 25 lbs/sq (1.0 to 1.2 kg/m²). Meets Class 1-180 windstorm classification.

Construction #22: Concrete Deck. Minimum 2 in. (50 mm) thick Foamglas Block roof insulation secured to structural concrete deck with Weather-Tite Insulation Adhesive applied at approximately 1 gal/sq (0.4 L/m² — approximately ¾ in. (19 mm) wide ribbons 12 in. (305 mm) on center) or a full mopping of hot asphalt at 20 to 25 lbs/sq (1.0 to 1.2 kg/m²). Hurricane Ply Plus or Hurricane Ply non torchable base ply adhered to the roof insulation and Hurricane Ply Plus or Hurricane Ply non torchable cap sheet adhered to the base ply with Weather-Tite Hurricane Force Membrane Adhesive applied with a notched squeegee in a full coverage application at a rate of 1.5 to 2 gal/sq (0.6 to 0.8 L/m²) or a full mopping of hot asphalt at 20 to 25 lbs/sq (1.0 to 1.2 kg/m²). Meets Class 1-150 windstorm classification.

Construction #23: Concrete Deck. ENRGY 3 roof insulation, 1.5 in. (40 mm) thickness, adhered to structural concrete with Weather-Tite Insulation Adhesive applied in ribbons at approximately 2 gal/sq (0.8 L/m²) (approximately ¾ in. (19 mm) wide ribbons 6 in. (152 mm) o.c.). Hurricane Ply Plus or Hurricane Ply non torchable base ply adhered to the roof insulation and Hurricane Ply Plus or Hurricane Ply non torchable cap sheet adhered to the base ply with Weather-Tite Hurricane Force Membrane Adhesive applied with a notched squeegee in a full coverage application at a rate of 1.5 to 2 gal/sq (0.6 to 0.8 L/m²) or a full mopping of hot asphalt at 20 to 25 lbs/sq (1.0 to 1.2 kg/m²). Meets Class 1-630 windstorm classification.

Construction #24: Concrete Deck. ENRGY 3 roof insulation, 1.5 in. (40 mm) thickness, adhered to structural concrete with Weather-Tite Insulation Adhesive applied in ribbons at approximately 1 gal/sq (0.4 L/m²) (approximately ¾ in. (19 mm) wide ribbons 12 in. (305 mm) o.c.). A second layer of ENRGY 3 roof insulation, 1.5 in. (40 mm) thickness, adhered to the first insulation layer with Weather-Tite Insulation Adhesive applied in ribbons at approximately 1 gal/sq (0.4 L/m²) (approximately ¾ in. (19 mm) wide ribbons 12 in. (305 mm) o.c.). Hurricane Ply Plus or Hurricane Ply non torchable base ply adhered to the roof insulation and Hurricane Ply Plus or Hurricane Ply non torchable cap sheet adhered to the base ply with Weather-Tite Hurricane Force Membrane Adhesive applied with a notched squeegee in a full coverage application at a rate of 1.5 to 2 gal/sq (0.6 to 0.8 L/m²) or a full mopping of hot asphalt at 20 to 25 lbs/sq (1.0 to 1.2 kg/m²). Meets Class 1-345 windstorm classification.

Construction #25: Concrete Deck. Hurricane Ply Plus or Hurricane Ply non torchable base ply adhered to structural concrete with Weather-Tite Hurricane Force Membrane Adhesive applied with a notched squeegee in a full coverage application at 1.5 to 2 gal/sq (0.6 to 0.8 L/m²). ENRGY 3 roof insulation, 1.5 in. (40 mm) thickness, adhered to the base ply with Weather-Tite Insulation Adhesive applied in ribbons at approximately 1 gal/sq (0.4 L/m²) (approximately ¾ in. (19 mm) wide ribbons 12 in. (305 mm) o.c.). Hurricane Ply Plus or Hurricane Ply non torchable base ply adhered to the roof insulation and Hurricane Ply Plus or Hurricane Ply non torchable cap sheet adhered to the base ply with Weather-Tite Hurricane Force Membrane Adhesive applied with a notched squeegee in a full coverage application at a rate of 1.5 to 2 gal/sq (0.6 to 0.8 L/m²) or a full mopping of hot asphalt at 20 to 25 lbs/sq (1.0 to 1.2 kg/m²). Meets Class 1-630 windstorm classification.

Construction #26: Concrete Deck – Reroof. ENRGY 3 roof insulation, 1.5 in. (40 mm) thickness, adhered to structural concrete, having existing asphalt from the removal of an existing asphaltic roof, with Weather-Tite Insulation Adhesive applied in ribbons at approximately 1 gal/sq (0.4 L/m²) (approximately ¾ in. (19 mm) wide ribbons 12 in. (305 mm) o.c.). Hurricane Ply Plus or Hurricane Ply non torchable base ply adhered to the roof insulation and Hurricane Ply Plus or Hurricane Ply non torchable cap sheet adhered to the base ply with Weather-Tite Hurricane Force Membrane Adhesive applied with a notched squeegee in a full coverage application at a rate of 1.5 to 2 gal/sq (0.6 to 0.8 L/m²) or a full mopping of hot asphalt at 20 to 25 lbs/sq (1.0 to 1.2 kg/m²). Meets Class 1-255 windstorm classification.

Insulation Adhesive:	Weather-Tite One Step Foamable Adhesive
Application:	Applied in continuous ¼ to ½ in. (6 to 13 mm), which expands to approximately ¾ to 1 in. (19 to 25 mm), wide beads 12 in. (305 mm) o.c. (unless noted otherwise) or in full coverage application to substrate. Insulation placed over adhesive and walked in.
Roof Covers:	Min 3 ply glass, organic or polyester felt built-up, modified bitumen (torch applied or secured with hot asphalt), fully adhered single ply. Approved for use with cover board or insulation.
Deck:	Structural Concrete; Gypsum (re-roof)
Hail Rating:	Per roof cover listing
ASTM E 108:	Per roof cover listing

Construction #1: Structural Concrete Deck, New – Maximum 4 x 4 ft (1.2 x 1.2 m) by minimum 1.5 in. (40 mm) thickness of ACFoam-II, ENRGY 3, Polyiso HP-N, H-Shield or Multi-Max roof insulation is adhered to the deck with Weather-Tite One Step Foamable Adhesive. Optional subsequent layers of the same insulation may be adhered to the first insulation with Weather-Tite One Step Foamable Adhesive applied as above. A roof cover Approved for use with the top insulation layer is then applied. Meets the wind uplift rating of the roof cover/insulation combination, maximum Class 1-465.

Construction #2: Structural Concrete Deck, New – Maximum 4 x 4 ft (1.2 x 1.2 m) by minimum 1.5 in. (40 mm) thickness of ACFoam-II, ENRGY 3, Polyiso HP-N, H-Shield or Multi-Max roof insulation is adhered to the deck with Weather-Tite One Step Foamable Adhesive. Optional subsequent layers of the same insulation may be adhered to the first insulation with Weather-Tite One Step Foamable Adhesive applied as above. Dens-Deck, minimum ¼ in. (6 mm) thickness, adhered to the insulation board with Weather-Tite One Step Foamable Adhesive applied as above. A roof cover Approved for use with the top board is then applied. Meets the wind uplift rating of the roof cover/cover board combination, maximum Class 1-465.

Construction #3: Structural Concrete Deck, New – Dens-Deck, minimum ¼ in. (6 mm) thickness, adhered to the deck with Weather-Tite One Step Foamable Adhesive applied in ½ to ¾ in. (13 to 19 mm) wide ribbons, 12 in. (304 mm) o.c. A roof cover Approved for use with the Dens-Deck is then applied. Meets the wind uplift rating of the roof cover/Dens-Deck combination, maximum Class 1-465.

Construction #4: Structural Concrete Deck, New (with an asphaltic vapor retarder) or Recover Construction — Insulation board and Weather-tite One Step Foamable Adhesive applied per Constructions 1, 2 or 3 to the asphaltic vapor retarder or existing asphaltic BUR. A roof cover Approved for use with the top insulation layer is then applied. Meets the minimum wind uplift rating of either the existing roof or the roof cover/insulation combination, maximum Class 1-315.

Construction #5: Structural Concrete Deck, New – Maximum 4 x 4 ft (1.2 x 1.2 m) by minimum 1.5 in. (40 mm) thickness of ACFoam-II, ENRGY 3, Polyiso HP-N, H-Shield, ISO 95+ GL or Multi-Max roof insulation is adhered to the deck with Weather-Tite One Step Foamable Adhesive. Optional subsequent layers of the same insulation may be adhered to the first insulation with Weather-Tite One Step Foamable Adhesive applied as above. High density wood fiberboard cover board, minimum ½ in. (13 mm) thickness FM Approved, may be adhered to the previous insulation layer or directly to the deck with Weather-Tite One Step Foamable Adhesive applied as above. A roof cover Approved for use with the top board is then applied. Meets the wind uplift rating of the roof cover/coverboard combination, maximum Class 1-255.

Construction #6: Structural Concrete Deck, New (with an asphaltic vapor retarder) or Recover Construction — Insulation board and Weather-tite One Step Foamable Adhesive applied per Construction #5 to the asphaltic vapor retarder or existing asphaltic BUR. A roof cover Approved for use with the top insulation layer is then applied. Meets the minimum wind uplift rating of either the existing roof or the roof cover/insulation combination, maximum Class 1-255.

Construction #7: Structural Concrete Deck, New, Recover - Hurricane Ply Plus-180 S 2.2 mm base sheet adhered to the deck with ribbons of Weather-Tite One Step Foamable Adhesive spaced 6 in. (152 mm) o.c. Maximum 4 x 4 ft (1.2 x 1.2 m) by minimum 1.5 in. (40 mm) thickness of ACFoam-II, ENRGY 3, Polyiso HP-N, H-Shield, ISO 95+ GL or Multi-Max roof insulation is adhered to the base sheet with Weather-Tite One Step Foamable Adhesive applied in ribbons, 12 in. (304 mm) o.c. Optional subsequent layers of the same insulation may be adhered to the first insulation with Weather-Tite One Step Foamable Adhesive applied as above. A roof cover Approved for use with the top insulation layer then applied. Meets the wind uplift rating of the roof cover/insulation combination or of the existing asphaltic built-up roof, maximum Class 1-120.

Construction #8: Structural Concrete Deck, New, Recover - Hurricane Ply Plus-180 S 2.2 mm base sheet adhered to the deck with ribbons of Weather-Tite One Step Foamable Adhesive spaced 6 in. (152 mm) o.c. Maximum 4 x 4 ft (1.2 x 1.2 m) by minimum 1.5 in. (40 mm) thickness of ACFoam-II, ENRGY 3, Polyiso HP-N, H-Shield, ISO 95+ GL or Multi-Max roof insulation is adhered to the base sheet with Weather-Tite One Step Foamable Adhesive applied in ribbons 12 in. (304 mm) o.c. Optional subsequent layers of the same insulation may be adhered to the first insulation with Weather-Tite One Step Foamable Adhesive applied as above. Dens-Deck, minimum ¼ in. (6 mm) thickness, or high density wood fiberboard cover board, minimum ½ in. (13 mm) thickness FM Approved, adhered to the insulation or directly to the base sheet with ribbons of Weather-Tite One Step Foamable Adhesive spaced 12 in. (305 mm) o.c. A roof cover Approved for use with the top board is then applied. Meets the wind uplift rating of the roof cover/Dens-Deck or wood fiberboard combination or existing built-up asphaltic roof, maximum Class 1-120.

Construction #9: Structural Concrete Deck, New, Recover - Hurricane Ply Plus-180 S 2.2 mm base sheet adhered to the deck with Weather-Tite One Step Foamable Adhesive applied with a notched ⅛ in. (3.2 mm) squeegee in full coverage application, approximately 1 to 1.25 gallons per square (0.4 to 0.5 L/m²). Maximum 4 x 4 ft (1.2 x 1.2 m) by minimum 1.5 in. (40 mm) thickness of ACFoam-II, ENRGY 3, Polyiso HP-N, H-Shield, ISO 95+ GL or Multi-Max roof insulation is adhered to the base sheet with Weather-Tite One Step Foamable Adhesive applied in full coverage application as above. Optional subsequent layers of the same insulation may be adhered to the first or previous insulation layer with Weather-Tite One Step Foamable Adhesive applied as above. A roof cover Approved for use with the top board is then applied. Meets the wind uplift rating of the roof cover/insulation combination or existing built-up asphaltic roof, maximum Class 1-315.

Construction #10: Structural Concrete Deck, New, Recover - Hurricane Ply Plus-180 S 2.2 mm base sheet adhered directly to the deck with Weather-Tite One Step Foamable Adhesive applied with a notched ⅛ in. (3.2 mm) squeegee in full coverage application, approximately 1 to 1.25 gallons per square (0.4 to 0.5 L/m²). Maximum 4 x 4 ft (1.2 x 1.2 m) by minimum 1.5 in. (40 mm) thickness of ACFoam-II, ENRGY 3, Polyiso HP-N, H-Shield, ISO 95+ GL or Multi-Max roof insulation is adhered to the base sheet with Weather-Tite One Step Foamable Adhesive applied in full coverage application as above. Optional subsequent layers of the same insulation may be adhered to the first or previous insulation layer with Weather-Tite One Step Foamable Adhesive applied as above. Dens-Deck, minimum ¼ in. (6 mm) thickness, or high density wood fiberboard cover board, minimum ½ in. (13 mm) thickness FM Approved, adhered to the insulation or directly to the base sheet with Weather-Tite One Step Foamable Adhesive applied as above. A roof cover Approved for use with the top board is then applied. Meets the wind uplift rating of the roof cover/Dens-Deck or wood fiberboard combination or existing asphaltic roof, maximum Class 1-315.

Construction #11: Structural Concrete Deck, New, Recover - Maximum 4 x 4 ft (1.2 x 1.2 m) by minimum 1.5 in. (40 mm) thickness ISO 95+ GL roof insulation is adhered to the deck with Weather-Tite One Step Foamable Adhesive. Optional subsequent layers of the same insulation may be adhered to the first or previous insulation layer with Weather-Tite One Step Foamable Adhesive applied as above. Tapered ISO 95+ GL roof insulation is adhered to the previous insulation layer or directly to the deck with Weather-Tite One Step Foamable Adhesive applied as above. A roof cover Approved for use with the insulation is then applied. Meets the wind uplift rating of the roof cover/insulation combination or existing asphaltic roof, maximum Class 1-315.

Construction #12: Structural Concrete Deck, New, Recover - Hurricane Ply Plus-180 S 2.2 mm base sheet adhered directly to the deck with Weather-Tite One Step Foamable Adhesive applied with a notched ⅛ in. (3.2 mm) squeegee in full coverage application, approximately 1 to 1.25 gallons per square (0.4 to 0.5 L/m²). Maximum 4 x 4 ft (1.2 x 1.2 m) by minimum 1.5 in. (40 mm) thickness ISO 95+ GL roof insulation is adhered to the base sheet with Weather-Tite One Step Foamable Adhesive applied in ribbons spaced 12 in. (305 mm) o.c. Optional subsequent layers of the same insulation may be adhered to the first or previous insulation layer with Weather-Tite One Step Foamable Adhesive applied as above. Tapered ISO 95+ GL roof insulation is adhered to the previous insulation layer or directly to the base sheet with Weather-Tite One Step Foamable Adhesive applied as above. A roof cover Approved for use with the insulation is then applied. Meets the wind uplift rating of the roof cover/insulation combination or existing asphaltic roof, maximum Class 1-315.

Construction #13: Structural Concrete Deck, New - Maximum 4 x 4 ft (1.2 x 1.2 m) by minimum 1.5 in. (40 mm) thickness of ACFoam-II, ENRGY 3 or Multi-Max roof insulation is adhered to the deck with ribbons of Weather-Tite Pourable Foam Insulation Adhesive spaced 12 in. (305 mm) o.c. Optional subsequent layers of the same insulation may be adhered to the first or previous insulation layer with Weather-Tite Pourable Foam Insulation Adhesive applied as above. Dens-Deck, ¼ in. (6 mm) thickness, is adhered to the insulation with ½ to ¾ in. (13 to 19 mm) wide ribbons of Weather-Tite Pourable Foam Insulation Adhesive spaced 12 in. (305 mm) o.c. Meets the wind uplift rating of the roof cover/Dens-Deck, maximum Class 1-270.

Construction #14: Gypsum (re-roof). Maximum 4 x 4 ft (1.2 x 1.2 m) by minimum 1.5 in. (38 mm) thick AC Foam II (flat or tapered), H-Shield (flat or tapered), ISO 95+ GL (flat or tapered), ENRGY 3, or Multi-Max roof insulation is adhered to the deck with Weather-Tite One Step Foamable Adhesive applied in ½ to ¾ in. (13 to 19 mm) wide ribbons, spaced maximum 12 in. (305 mm) on center. Optional subsequent layers of the same insulation may be adhered to the first layer of insulation with Weather-Tite One Step Foamable adhesive applied as above. Optional Maximum 4 x 4 ft (1.2 x 1.2 m) by minimum ¼ in. (6 mm) thick Dens-Deck or by minimum ½ in. (13 mm) thick high density wood fiber coverboard, Approved by FM Approvals, is adhered to the roof insulation with Weather-Tite One Step Foamable adhesive applied as above. All layers are placed into the wet adhesive and walked-in until the board is fully adhered. A roof cover Approved by FM Approvals for use with the top insulation layer is then applied. Meets the wind uplift rating of the roof cover/insulation combination (maximum Class 1-90).

Construction #15: Gypsum (re-roof). Maximum 4 x 4 ft (1.2 x 1.2 m) by minimum ¼ in. (6 mm) thick Dens-Deck or by minimum ½ in. (13 mm) thick high density wood fiber coverboard, Approved by FM Approvals, is adhered to the roof deck with Weather-Tite One Step Foamable Adhesive applied in ½ to ¾ in. (13 to 19 mm) wide ribbons, spaced maximum 12 in. (305 mm) on center. Dens Deck or wood fiber is placed into the wet adhesive and walked-in until the board is fully adhered. A roof cover Approved by FM Approvals for use with the cover board is then applied. Meets the wind uplift rating of the roof cover/cover board combination (maximum Class 1-90).

Construction #16: Structural Concrete Deck, New – Maximum 4x4 ft (1.2x1.2 m) by minimum Approved thickness of FM Approved expanded polystyrene, minimum 1.25 pcf (20 kg/m³) density, adhered to the deck with Weather-Tite One Step Foamable Adhesive applied in ribbons, 12 in. (304 mm) o.c. FM Approved high density Wood Fiberboard cover board, minimum ½ in. (13 mm) thickness, may be adhered to the previous insulation layer with Weather-Tite One Step Foamable Adhesive applied as above. A roof cover Approved for use with the top insulation layer is then applied. Meets the wind uplift rating of roof cover/insulation combination, maximum Class 1-300.

Construction #17: As Construction #8 with Dens Deck cover board, minimum ¼ in. (6 mm) thickness, adhered to the previous insulation layer with Weather-Tite One Step Foamable Adhesive applied in ribbons, 12 in. (304 mm) o.c. A roof cover Approved for use with the top insulation layer is then applied. Meets the wind uplift rating of roof cover/insulation combination, maximum Class 1-300.

Construction #18: Structural Concrete Deck, New – Maximum 4x4 ft (1.2x1.2 m) by minimum Approved thickness of FM Approved Foamular 250 or Dow Styrofoam extruded polystyrene adhered to the deck with Weather-Tite One Step Foamable Adhesive applied in ribbons, 12 in. (304 mm) o.c. FM Approved high density Wood Fiberboard cover board, minimum ½ in. (13 mm) thickness, may be adhered to the previous insulation layer with Weather-Tite One Step Foamable Adhesive applied in ribbons, 12 in. (304 mm) o.c. A roof cover Approved for use with the top insulation layer is then applied. Meets the wind uplift rating of roof cover/insulation combination, maximum Class 1-300.

Construction #19: Steel-New. Optional vapor barrier Approved by FM Approvals followed by minimum 1.5 in. (40 mm) thick H-Shield or AC Foam II secured to the deck with AccuTrac or Hextra with Recessed, Accutrac or Geralok Plate, Hextra Plus (Preassembled), Roof Grip Plus (Preassembled), #12-14, #14 or #15 Roofgrip with Recessed, Flat Bottom or Standard or Gearlok Plate, SFS Stadler Insul-fix S Plates and #12-11, #14-10 Insul-fix fasteners, IF-3"-S Type Bore Plate and Plate and #12-11, #14-10 Insul-fix fasteners; Olympic Standard, Heavy Duty, or Hex-Head #12 or #14 fasteners with Olympic Standard or 3" Ribbed Galvalum Plate applied at a contributory area of 2 ft² (0.18 m²) per fastener. A second layer on the of the same insulation, minimum 1.5 in. thickness (40 mm) adhered to the mechanically fastened layer with Weather-Tite One Step Foamable Adhesive applied in ribbons, 12 in. (304 mm) o.c. A minimum 2-ply modified bitumen roof cover Approved for use with the insulation is then applied. Meets the wind uplift rating of the roof cover/insulation combination, maximum Class 1-90.

Construction #20: Steel-New. Optional vapor barrier Approved by FM Approvals followed by minimum 1.5 in. (40 mm) thick H-Shield or AC Foam II loose laid on the deck. A second layer of minimum 1.5 in. (40 mm) thick H-Shield or AC Foam II applied over the first layer and secured to the deck with AccuTrac or Hextra with Recessed, Accutrac or Geralok Plate, Hextra Plus (Preassembled), Roof Grip Plus (Preassembled), #12-14, #14 or #15 Roofgrip with Recessed, Flat Bottom or Standard or Gearlok Plate, SFS Stadler Insul-fix S Plates and #12-11, #14-10 Insul-fix fasteners, IF-3"-S Type Bore Plate and Plate and #12-11, #14-10 Insul-fix fasteners; Olympic Standard, Heavy Duty, or Hex-Head #12 or #14 fasteners with Olympic Standard or 3" Ribbed Galvalum Plate applied at a contributory area of 2 ft² (0.18 m²) per fastener. ½ in. thick BP High Strength Fiberboard, FM-90 Traffic Top/High Density, GAFTEMP High Density, Roof Insulating Board, High Density Roof Fiberboard, Fiber Base HD1 or HD6, Structodek, Bildrite Roof Board, Roof Rite or High Density Fiberboard Roof Insulation adhered to the mechanically fastened layer with Weather-Tite One Step Foamable Adhesive applied in ribbons, 12 in. (304 mm) o.c. A minimum 2-ply modified bitumen roof cover Approved for use with the insulation is then applied. Meets the wind uplift rating of the roof cover/insulation combination, maximum Class 1-90.

Construction #21: Steel-New. Optional vapor barrier Approved by FM Approvals followed by minimum ⅝ in. (16 mm) thick Dens-Deck or min ¾ in. (19 mm) thick ConPerl, GAFTEMP Permalite, Permalite, Fesco Board or EnergyGuard Perlite Roof Insulation loose laid on the deck followed by minimum 1.5 in. (40 mm) thick H-Shield or AC Foam II applied over the first layer and secured to the deck with AccuTrac or Hextra with Recessed, Accutrac or Geralok Plate, Hextra Plus (Preassembled), Roof Grip Plus (Preassembled), #12-14, #14 or #15 Roofgrip with Recessed, Flat Bottom or Standard or Gearlok Plate, SFS Stadler Insul-fix S Plates and #12-11, #14-10 Insul-fix fasteners, IF-3"-S Type Bore Plate and Plate and #12-11, #14-10 Insul-fix fasteners; Olympic Standard, Heavy Duty, or Hex-Head #12 or #14 fasteners with Olympic Standard or 3" Ribbed Galvalum Plate applied at a contributory area of 2 ft² (0.18 m²) per fastener. ½ in. thick BP High Strength Fiberboard, FM-90 Traffic Top/High Density, GAFTEMP High Density, Roof Insulating Board, High Density Roof Fiberboard, Fiber Base HD1 or HD6, Structodek, Bildrite Roof Board, Roof Rite or High Density Fiberboard Roof Insulation adhered to the mechanically fastened layer with Weather-Tite One Step Foamable Adhesive applied in ribbons, 12 in. (304 mm) o.c. A minimum 2-ply modified bitumen roof cover Approved for use with the insulation is then applied. Meets the wind uplift rating of the roof cover/insulation combination, maximum Class 1-90.

Construction #22: Steel-New. Optional vapor barrier Approved by FM Approvals followed by minimum 1.5 in. (40 mm) thick H-Shield or AC Foam II secured to the deck with AccuTrac or Hextra with Recessed, Accutrac or Geralok Plate, Hextra Plus (Preassembled), Roof Grip Plus (Preassembled), #12-14, #14 or #15 Roofgrip with Recessed, Flat Bottom or Standard or Gearlok Plate, SFS Stadler Insul-fix S Plates and #12-11, #14-10 Insul-fix fasteners, IF-3"-S Type Bore Plate and Plate and #12-11, #14-10 Insul-fix fasteners; Olympic Standard, Heavy Duty, or Hex-Head #12 or #14 fasteners with Olympic Standard or 3" Ribbed Galvalum Plate applied at a contributory area of 2 ft² (0.18 m²) per fastener. Minimum ¼ in. (6 mm) thick Dens-Deck adhered to the mechanically fastened layer with Weather-Tite One Step Foamable Adhesive applied in ribbons, 12 in. (304 mm) o.c. A minimum 2-ply modified bitumen roof cover Approved for use with the insulation is then applied. Meets the wind uplift rating of the roof cover/insulation combination, maximum Class 1-90.