Code Compliance Research Report
CCRR-0333

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DIVISION: 07 00 00 – THERMAL AND MOISTURE PROTECTION
Section: 07 50 00 – Membrane Roofing

REPORT HOLDER:
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REPORT SUBJECT:
Malarkey Conventional and SBS Modified Bitumen Roof Membranes

1.0 SCOPE OF EVALUATION

1.1 This Research Report addresses compliance with the following Codes:

- 2024, 2021, and 2018 *International Building Code®* (IBC)
- 2024, 2021, and 2018 *International Residential Code®* (IRC)

Note: This report references section numbers from the 2024 IBC and IRC. Section numbers from earlier editions of the Codes may differ.

1.2 Malarkey Conventional and SBS Modified Bitumen Roof Membranes have been evaluated for the following properties (see Table 1):

- Physical Properties
- Fire Classification
- Impact Resistance
- Wind Uplift Resistance

1.3 Malarkey Conventional and SBS Modified Bitumen Roof Membranes have been evaluated for the following uses (see Table 1):

- Used as roof coverings in mechanically fastened or fully adhered membrane roofing systems

2.0 STATEMENT OF COMPLIANCE

Malarkey Conventional and SBS Modified Bitumen Roof Membranes comply with the Codes listed in Section 1.1, for the properties stated in Section 1.2, and uses stated in Section 1.3, when installed as described in this report, including the Conditions of Use stated in Section 6.0.

3.0 DESCRIPTION

Malarkey Conventional and SBS Modified Bitumen Membranes are designed to be used in mechanically fastened or adhered roof systems as described in this report. Details of the membranes evaluated within this report are provided in Table 2.

4.0 PERFORMANCE CHARACTERISTICS

4.1 Physical Properties: Roofing membranes recognized in this report comply with the requirements for physical properties as required by IBC Sections 1507.10 and 1507.11, and IRC Section R905.11, as applicable.

4.2 Fire Classification: Roofing assemblies recognized in this report are listed with Intertek for classification as required by IBC Section 1505.1 and IRC Section R902.1.

4.3 Impact Resistance: The Malarkey cap sheets recognized in this report comply with the requirements for impact as required by IBC Section 1504.7.

4.4 Wind Uplift Resistance: Roofing assemblies recognized in this report have been tested for wind uplift resistance as required by IBC Section 1504.4.1 and IRC Section R301.2.1.

5.0 INSTALLATION

5.1 General: The Malarkey membranes must be installed in accordance with the manufacturer's published installation instructions, the applicable Code, and this Research Report. A copy of the manufacturer's instructions must be available on the jobsite during installation. The materials must be installed in accordance with IBC Sections 1507.10, 1507.11, or IRC Section R905.11, as applicable, except as noted in this report.

Edge securement must comply with IBC Section 1504.6.

5.2 Fire Classification: System requirements and fire classifications are listed in Table 3 of this report. Note that the Intertek Directory of Building Products also provides individual valid classified assemblies for Malarkey roofing systems, some of which may not be on this CCRR.

5.3 Wind Uplift Resistance: System requirements and allowable wind uplift pressure are listed in Tables 4A, 4B, 4C, 4D, and 4E of this report. A safety factor of 2.0 has been applied when determining allowable wind pressure. Design pressure must be determined accordance with IBC Section 1609.5.2 or IRC Table R301.2(2), adjusted for height and exposure in accordance with Table R301.2(3).

6.0 CONDITIONS OF USE

6.1 Installation must comply with this Research Report, the manufacturer's published installation instructions, and the applicable Code. In the event of a conflict, this report governs.

6.2 Roofs must have a minimum roof slope of 1/4:12 (2% slope) and must not be more than the maximum incline indicated in this report.

6.3 The wind uplift resistance listed in this report is for attachment of the Malarkey roof coverings only. The deck and framing to which the roof covering is attached must be designed for components and cladding in accordance with IBC Section 1609 and IRC Section R301.2.1.

6.4 When installed with the roof covering, above-deck thermal insulation may be any polyisocyanurate, polystyrene, fiberboard, perlite, and/or gypsum-based insulation board that is documented as meeting IBC Section 1508 and IRC Section R906, and for foamed plastic, IBC Section 2603 and IRC Section R3103.

6.5 Foam plastic insulation and foam plastic cores of manufactured assemblies shall have a flame spread index of not more than 75 when tested in the maximum thickness intended for use in accordance with ASTM E84 or UL 723.

6.6 Foam plastic insulation must be separated from the interior of the building by an approved thermal barrier in accordance with IBC Section 2603.4.1.5 or IRC Section R303.5.2.

6.7 When application is over existing roofs, documentation of the wind uplift resistance of the composite roof construction must be submitted to the building official for approval.

6.8 For mechanically attached components over existing decks, fasteners much be tested in the existing deck for with drawl resistance in accordance with ANSI/SPRI FX-1.

6.9 For existing substrates in a bonded recover installation, the existing roof surface must be examined for compatibility and bond performance with the selected adhesive in accordance with ANSI-SPRI IA-1.

6.10 The Malarkey membranes are manufactured under a quality control program with inspections by Intertek Testing Services NA, Inc.

7.0 SUPPORTING EVIDENCE

7.1 Reports of tests in accordance with ASTM D6163, ASTM D3909, ASTM D4601, ASTM D2178, ASTM G155, ASTM D638, ASTM E108, ASTM D3746, and FM 4474.

7.2 Intertek Listing Report "Malarkey Conventional and SBS Modified Bitumen Roof Membranes", on the Intertek Directory of Building Products.

8.0 IDENTIFICATION

The Malarkey membranes are identified with the manufacturer's name, address and telephone number, the product name, the Intertek Mark as shown below, and the Code Compliance Research Report number (CCRR-0333).

9.0 OTHER CODES

This section is not applicable.

10.0 CODE COMPLIANCE RESEARCH REPORT USE

10.1 Approval of building products and/or materials can only be granted by a building official having legal authority in the specific jurisdiction where approval is sought.

10.2 Code Compliance Research Reports shall not be used in any manner that implies an endorsement of the product by Intertek.

10.3 Reference to the https://bpdirectory.intertek.com is recommended to ascertain the current version and status of this report.

TABLE 1 - PROPERTIES EVALUATED

PROPERTY	2021 IBC SECTION[1]	2021 IRC SECTION[1]
Physical Properties	1507.10 1507.11	R905.9 R905.11
Fire Classification	1505.1	R902.1
Impact Resistance	1504.7	NA
Wind Uplift Resistance	1504.4.1	R301.2.1

[1] Section numbers may be different for earlier versions of the International Codes

TABLE 2 - PRODUCT DESCRIPTIONS

Product	Product Designation Code	Layer	Description	Application	Physical Property Ratings
Paragon® MOD Base	501	Base Sheet	Fiberglass mat impregnated and coated on both sides with SBS polymer modified bitumen and surfaced with a mineral release material.	Hot mopped, Cold Applied, Mechanically Fastened	ASTM D4601, Type I ASTM D2178, Type IV
Paragon® Ultra Base	602	Base Sheet	Fiberglass mat impregnated and coated on both sides with SBS polymer modified bitumen and surfaced with a mineral release material.	Hot mopped, Cold Applied, Mechanically Fastened	ASTM D6163, Type I, Grade S
Paragon® Super Base	603	Base Sheet	Fiberglass mat impregnated and coated on both sides with SBS polymer modified bitumen and surfaced with a mineral release material.	Hot mopped, Cold Applied, Mechanically Fastened	ASTM D6163, Type I, Grade S
Paragon® Ultra SA Base	610	Base Sheet	Fiberglass mat impregnated and coated on both sides with SBS polymer modified bitumen and surfaced with a mineral release material on the exposure side and self-adhering bitumen on the underside with release film.	Self Adhered	ASTM D6163, Type I, Grade S
Paragon® Ultra TG Base	620	Base Sheet	Fiberglass mat impregnated and coated on both sides with SBS polymer modified bitumen and surfaced with a mineral release material.	Torch Applied, Heat Welded, Cold Applied, Hot mopped, SEBS Mopping and Mechanically Fastened	ASTM D6163, Type I, Grade S

TABLE 2 - PRODUCT DESCRIPTIONS – *Continued*

Product	Product Designation Code	Layer	Description	Application	Physical Property Ratings
Pano™ Ply4	500	Ply Sheet	Fiberglass mat impregnated and coated on both sides with bitumen	Hot Mopped, Cold Applied or Mechanically Fastened	ASTM D2178, Type IV
Pano™ Ply6	506	Ply Sheet	Fiberglass mat impregnated and coated on both sides with bitumen	Hot Mopped, Cold Applied or Mechanically Fastened	ASTM D2178, Type VI
Pano™ Cap	502	Cap Sheet	Fiberglass mat impregnated on both sides with SBS polymer modified bitumen compounded and a fire-retardant mineral stabilizer, and surfaced with ceramic granules.	Hot Mopped, Cold, or Mechanically Fastened	ASTM D3909
Paragon® Chroma Cap	350	Cap Sheet	Fiberglass mat impregnated on both sides with SBS modified bitumen compounded and a fire-retardant mineral stabilizer, and surfaced with ceramic granules.	Hot Mopped, Cold, or Mechanically Fastened	ASTM D3909
RCap™ Plus	524G	Cap Sheet	Fiberglass mat impregnated on both sides with polymer modified bitumen compounded and a fire-retardant mineral stabilizer, and surfaced with ceramic granules.	Hot Mopped, Cold or Mechanically Fastened	ASTM D3909
Paragon® MOD Cap	601	Cap Sheet	Fiberglass mat, impregnated on both sides with SBS polymer modified bitumen compounded with a fire-retardant mineral stabilizer and surfaced with ceramic granules	Hot Mopped, Cold Applied, SEBS mopping or Mechanically Fastened	ASTM D3909
Paragon® Ultra TG Cap	630	Cap Sheet	Fiberglass mat, impregnated on both sides with SBS polymer modified bitumen compounded with a fire-retardant mineral stabilizer and surfaced with ceramic granules	Hot Mopped, Cold Applied, SEBS mopping, Torch Applied or Mechanically Fastened	ASTM D6163, Type I, Grade G
Paragon® Ultra Cap	625	Cap Sheet	Fiberglass mat, impregnated on both sides with SBS polymer modified bitumen compounded with a fire-retardant mineral stabilizer and surfaced with ceramic granules	Hot Mopped, Cold Applied, SEBS mopping, or Mechanically Fastened	ASTM D6163 Type I, Grade G
Paragon® RCap™	626G	Cap Sheet	Fiberglass mat, impregnated on both sides with SBS polymer modified bitumen compounded with a fire-retardant mineral stabilizer and surfaced with ceramic granules.	Hot Mopped, Cold Applied, SEBS mopping, Torch Applied or Mechanically Fastened	ASTM D6163,Type I, Grade G

TABLE 3 - FIRE CLASSIFICATION

RATING	MINIMUM ROOF SLOPE	DECK CONSTRUCTION	INTERTEK LISTING (SpecDirect Spec ID)
Class A	1/2:12	**Deck: Combustible** Optional Insulations: Manufacturer specified, certified insulations. Isocyanurate insulation board mechanically fastened. *1-Ply 501 Paragon Mod Base, 503, 602 Paragon Ultra Base, 603 Paragon Super Base, mechanically fastened, fully adhered with ASTM-D312 roofing asphalt, 1000 ESHAvent self-adhesive base sheet. *1-, 2-, 3-Plies 500 PanoPly 4, 506 PanoPly 6 ply sheet, 501 Paragon Mod Base or 503 base sheet, hot mopped. Coated with ASTM-D1227 asphalt emulsion at 4 gal./sq.	Spec ID 16150 (System AC-01)
Class A	1/2:12	**Deck: Combustible** Optional Insulations: Manufacturer specified, certified insulations. *Optional: 1-Ply 501 Paragon Mod Base, 602 Paragon Ultra Base, or 603 Paragon Super Base, mechanically attached or fully adhered with ASTM-D3019 cold process adhesive, ASTM-D312 roofing asphalt, hot mopped, 1-ply 1000 ESHAvent® self-adhesive base sheet. *1-Ply 602 Paragon Ultra Base, 603 Paragon Super Base, or 2-Plies 501 Paragon Mod Base fully adhered with ASTM-D3019 cold process adhesive, ASTM-D312 roofing asphalt, hot mopped, 1-Ply 1000 ESHAvent® self-adhesive base sheet. *1-Ply 601 Paragon Mod cap sheet, fully adhered with ASTM-D3019 cold process adhesive, ASTM-D312 roofing asphalt, hot mopped.	Spec ID 16159 (AC-08)

TABLE 3 - FIRE CLASSIFICATION – *Continued*

RATING	MINIMUM ROOF SLOPE	DECK CONSTRUCTION	INTERTEK LISTING (SpecDirect Spec ID)
Class A	1/2:12	**Deck: Combustible** Optional Insulations: Manufacturer specified, certified insulations. *2-, 3-Plies 501 Paragon Mod Base, 602 Paragon Ultra Base, 603 Paragon Super Base fully adhered with ASTM-D312 roofing asphalt, hot mopped. *1-Ply 601 Paragon Mod cap sheet, fully adhered with ASTM-D312 roofing asphalt, hot mopped.	Spec ID 16165 (System AC-11)
Class A	1/2:12	**Deck: Combustible** Optional Insulations: Manufacturer specified, certified insulations. *1-Ply 501 fully adhered with ASTM-D312 roofing asphalt, hot mopped. *2-Plies 603, fully adhered with ASTM-D312 roofing asphalt, hot mopped. Surfaced with ASTM-D1227 asphalt emulsion applied at a minimum coverage rate of 3 gal./sq.	Spec ID 16166 (System AC-12)
Class A	1/4:12	**Deck: Combustible** Optional Insulations: Manufacturer specified, certified insulations. *3-, 4-Plies 501 Paragon Mod base, 602 Paragon Ultra base, 603 Paragon Super base fully adhered with ASTM-D3019 cold process adhesive applied at a coverage rate of 2 gal./sq. each ply. *Coated with ASTM-D3019 cold process adhesive, at 2 gal./sq. and embedded with 3M Brand No. 11 roofing granules at a minimum coverage rate of 60 lbs./sq. OR *Coated with ASTM-D3019 cold process adhesive, at 4 gal./sq. and embedded with roofing gravel ballast at a minimum coverage rate of 400 lbs./sq.	Spec ID 16167 (System AC-13)

TABLE 3 - FIRE CLASSIFICATION – *Continued*

RATING	MINIMUM ROOF SLOPE	DECK CONSTRUCTION	INTERTEK LISTING (SpecDirect Spec ID)
Class A	1/4:12	**Deck: Combustible** Optional Insulations: Manufacturer specified, certified insulations. *3-, 4-Plies 501 Paragon Mod base, 602 Paragon Ultra base, 603 Paragon Super base fully adhered each ply with ASTM-D312 roofing asphalt or 705 adhesive or ASTM-D3019 cold process adhesive. Flood coated with roofing asphalt or adhesive and embedded with nominal 3/8 in. pea gravel at a minimum coverage rate of 150 lbs./sq. Optional: Heatshield primer and rock bonder applied at a coverage rate of 1 gal./sq. Surfaced with Heatshield cementitious coating per manufacturers' instructions.	Spec ID 16170 (System AC-16)
Class A	2:12	**Deck: Combustible** Optional Insulations: Manufacturer specified, certified insulations. *1000 ESHAvent® thermally adhered roofing membrane. *1-Ply Item 500 ply sheet, hot mopped with ASTM-D312 asphalt. *1-Ply of 601, 350, or 502 cap sheet.	Spec ID 16172 (System AC-18)
Class A	3:12	**Deck: Combustible** Optional Insulations: Manufacturer specified, certified insulations. * 3-, 4-Plies 500 506 ply sheet or 501, 602, 603 fully adhered first ply, subsequent plies fully adhered with cold process adhesives or ASTM-D312 roofing asphalt. Roofing gravel ballast applied at a minimum 400 lbs./sq. into flood coat of cold process adhesive or roofing asphalt.	Spec ID 16173 (System AC-19)

TABLE 3 - FIRE CLASSIFICATION – *Continued*

RATING	MINIMUM ROOF SLOPE	DECK CONSTRUCTION	INTERTEK LISTING (SpecDirect Spec ID)
Class A	1:12	**Deck: Combustible** Optional Insulations: Manufacturer specified, certified insulations. *1- or more Plies 501, 602, 603 sheet mechanically attached or fully adhered with ASTM-D312 roofing asphalt, hot mopped, or 1-Ply of 1000 ESHAvent®, self-adhesive base sheet. *1- or more Plies 500, 506 ply sheet, 501, 602, 603 Panoply fully adhered with ASTM-D312 roofing asphalt, hot mopped. Optional when insulation is used. *1-Ply 625 cap sheet, fully adhered with ASTM-D312 roofing asphalt, hot mopped.	Spec ID 16178 (System AC-24)
Class A	2:12	**Deck: Combustible** Optional Insulations: Manufacturer specified, certified insulations. 1-Ply 501 base sheet, or inverted 502 cap sheet, mechanically fastened. 1 or more Plies, 501, 500, or 506 ply sheet, fully adhered with ASTM-D312 roofing asphalt, hot mopped. 1-Ply 350, 524G, or 502 cap sheet, fully adhered with ASTM-D312 roofing asphalt, hot mopped.	Spec ID 16185 (System AC-31)
Class A	1/4:12	**Deck: Combustible or Non-Combustible** <u>Vapor Retarder (Optional)</u> Vapor retarder consisting of optional glass-faced gypsum or SECUROCK™ Brand Roof Board (min. 1/4 in. thick) mechanically fastened, either spot adhered or fully adhered with hot roofing asphalt or semi-adhered with insulation adhesive ribbons followed by one or more plies of any combination of the following ply sheets; 500, 506 or ASTM D 2178, Type IV or Type VI, adhered with ASTM D 312 hot roofing asphalt or any combination of one or more plies of the following base sheets; 501, 503, 515, 602, or 603 secured with any combination of the following application methods;	Spec ID 16919 (System AC/N-34)

		• Mechanically fastened • Spot or fully adhered with ASTM D 312 hot roofing asphalt • Adhered with Karnak No. 66 or ASTM D 4479 cold process adhesive at a rate of 1.5 gals./sq./layer • Semi-adhered with 3/4 in. – 1 in. wide adhesive ribbons of MRP 2B Membrane Adhesive Insulation (Optional) Polyisocyanurate, polyisocyanurate composite, polystyrene, polystyrene composite, glass fiber, perlite, rock wool, wood fiber, glass-faced gypsum or SECUROCK™ Brand Roof Board (min. 1/4 in. thick), gypsum (min. 1/2 in. thick) or asphaltic cover boards (min. 1/8 in. thick), any thickness (except as noted) or combination, mechanically fastened, either spot adhered or fully adhered with hot roofing asphalt or semi-adhered with insulation adhesive ribbons. Note: When EPS insulation is applied over a metal or combustible deck, a thermal barrier complying with section 2603.4.1.5 of the IBC is required. ** If insulation or vapor retarder sheets are not used, a listed base sheet with a minimum thickness of 85 mils (603) or 2 plies of 515 (55 mils) or equivalent ply sheets must be used with combustible roof decks. Base Sheet One or more plies of any combination of the following base sheets; 501 Paragon Mod Base, 503, 515 Panobase, 602 Paragon Ultra Base, 603 Paragon Super Base, 605 Paragon Plus Base, 606 Paragon Duo Base, or ply sheets 500 PanoPly 4, 506 PanoPly 6, secured or adhered with any combination of the following application methods; • Mechanically fastened • Spot or fully adhered with ASTM D 312 hot roofing asphalt • Adhered with Karnak No. 66, or ASTM D 4479 cold process adhesive at a rate of 1.5 gals./sq./layer ** If insulation or vapor retarder sheets are not used, a listed base sheet with a minimum thickness of 85 mils (603) or 2 plies of 515 (55 mils) or equivalent ply sheets must be used with combustible roof decks.	

		Surfacing 1-Ply 502 PanoCap, 524 RCap, 524 RCap Plus, 524G, 350 Paragon Chroma Cap, 601 Paragon Mod Cap, 624 RCap SBS, 625 Paragon Ultra Cap, 626 Paragon RCAP, 626G Paragon Cap, 650 Paragon Plus Cap, 660 Paragon Duo Cap adhered with ASTM D 312 hot roofing asphalt or 524 RCap Plus, 350, 601 Premium, 624 RCap SBS, 625 Paragon, 650 Panoply adhered with Karnak No. 66 or ASTM D 4479 cold process adhesive at a rate of 1.5 gals./sq./layer or 1020 ESHAlum® SBS cap sheet, adhered with ASTM D 312 hot roofing asphalt or by heat welding.	
Class A	1/2:12	**Deck: Combustible or Non-Combustible** Vapor Retarder (Optional) Vapor retarder consisting of optional glass-faced gypsum or SECUROCK™ Brand Roof Board (min. 1/4 in. thick) mechanically fastened, either spot adhered or fully adhered with hot roofing asphalt or semi-adhered with insulation adhesive ribbons followed by one or more plies of any combination of the following ply sheets; 500, 506 or ASTM D 2178, adhered with ASTM D 312 hot roofing asphalt or any combination of one or more plies of the following base sheets; 501, 503, 515, 602, 603 or 605 secured with any combination of the following application methods; • Mechanically fastened • Spot or fully adhered with ASTM D 312 hot roofing asphalt • Adhered with ASTM D 4479 cold process adhesive at a rate of 1.5 gals./sq./layer Insulation (Optional) Polyisocyanurate, polyisocyanurate composite, polystyrene, polystyrene composite, glass fiber, perlite, rock wool, wood fiber, glass-faced gypsum or SECUROCK™ Brand Roof Board (min. 1/4 in. thick), gypsum (min. 1/2 in. thick), or asphaltic cover boards (min. 1/8 in. thick), any thickness (except as noted) or combination, mechanically fastened, either spot adhered or fully adhered with hot roofing asphalt or semi-adhered with insulation adhesive ribbons. Note: When EPS insulation is applied over a metal or combustible deck, a thermal barrier complying with section 2603.4.1.5 of the IBC is required.	Spec ID 27530 (System AC/N-35)

		** If insulation or vapor retarder sheets are not used, a listed base sheet with a minimum thickness of 85 mils (603) or 2 plies of 515 (55 mils) or equivalent ply sheets must be used with combustible roof decks. Base Sheet One or more plies of any combination of the following base sheets; 501 Paragon Mod Base, 503, 515 Panobase, 602 Paragon Ultra Base, 603 Paragon Super Base, 605 Paragon Plus Base, 606 Paragon Duo Base or ply sheets 500 PanoPly 4, 506 PanoPly 6, secured or adhered with any combination of the following application methods; • Mechanically fastened • Spot or fully adhered with ASTM D 312 hot roofing asphalt • Adhered ASTM D 4479 cold process adhesive at a rate of 1.5 gals./sq./layer ** If insulation or vapor retarder sheets are not used, a listed base sheet with a minimum thickness of 85 mils (603) or 2 plies of 515 (55 mils) or equivalent ply sheets must be used with combustible roof decks. Surfacing 1-Ply 502 PanoCap, 524G, 524 RCap, 524 RCap Plus, 350 Paragon Chroma Cap, 601 Paragon Mod Cap, 625 Paragon Ultra Cap, 650 Paragon Plus Cap, 660 Paragon Duo Cap adhered with ASTM D 312 hot roofing asphalt or 524 RCap Plus, 350, 601 Paragon Mod Cap, 625 Paragon Ultra Cap, 650 Paragon Plus Cap adhered with ASTM D 4479 cold process adhesive at a rate of 1.5 gals./sq./layer or semi-adhered with 3/4 in. – 1 in. wide adhesive ribbons of MRP 2B Membrane Adhesive; 1020 ESHAlum® SBS cap sheet, adhered with ASTM D 312 hot roofing asphalt or by heat welding.	
Class A	1:12	**Deck: Combustible or Non-Combustible** Vapor Retarder (Optional) Vapor retarder consisting of optional glass-faced gypsum or SECUROCK™ Brand Roof Board (min. 1/4 in. thick) mechanically fastened, either spot adhered or fully adhered with hot roofing asphalt or semi-adhered with insulation adhesive ribbons followed by one or more plies of any combination of the following ply sheets; 500, 506 or ASTM D 2178, adhered with ASTM D 312 hot roofing asphalt or any combination of one or more plies of the following base sheets; 501, 503, 515, 602, 603 or 605 secured with any combination of the following application methods;	Spec ID 16482 (System AC/N-36)

		• Mechanically fastened • Spot or fully adhered with ASTM D 312 hot roofing asphalt • Adhered with ASTM D 4479 cold process adhesive at a rate of 1.5 gals./sq./layer Insulation (Optional) Polyisocyanurate, polyisocyanurate composite, polystyrene, polystyrene composite, glass fiber, perlite, rock wool, wood fiber, glass-faced gypsum or SECUROCK™ Brand Roof Board (min. 1/4 in. thick), gypsum (min. 1/2 in. thick), or asphaltic cover boards (min. 1/8 in. thick), any thickness (except as noted) or combination, mechanically fastened, either spot adhered or fully adhered with hot roofing asphalt or semi-adhered with insulation adhesive ribbons Base Sheet One or more plies of any combination of the following base sheets; 501 Paragon Mod Base, 503, 515 Panobase, 602 Paragon Ultra Base, 603 Paragon Super Base, 605 Paragon Plus Base, 606 Paragon Duo Base, or ply sheets 500 PanoPly 4, 506 PanoPly 6, secured or adhered with any combination of the following application methods; • Mechanically fastened • Spot or fully adhered with ASTM D 312 hot roofing asphalt • Adhered with Malarkey 705 Cold Process Adhesive, 727 Modified Membrane Cold Adhesive, Karnak 66 or ASTM D 4479 cold process adhesive at a rate of 1.5 gals./sq./layer Surfacing 1-Ply 502 PanoCap, 350 Paragon Chroma Cap, 601 Paragon Mod Cap, 625 Paragon Ultra Cap, 626G Paragon R cap, 650 Paragon Plus Cap, 660 Paragon Duo Cap adhered with ASTM D 312 hot roofing asphalt or 350 Paragon Chroma Cap, 601 Paragon Mod Cap, 625 Paragon Ultra Cap, 626G Paragon Cap 650 Paragon Plus Cap, 660 Paragon Duo Cap adhered with Karnak 66, or ASTM D 4479 cold process adhesive at a rate of 1.5 gals./sq./layer or 1020 ESHAlum® SBS cap sheet, adhered with ASTM D 312 hot roofing asphalt or by heat welding or 161 APP Cap Sheet, heat welded	

Class A	1:12	**Deck: Combustible or Non-Combustible** Optional Insulations: Manufacturer specified, certified insulations. 1-Ply 610 Paragon Ultra SA Base or 1-Ply 610 Paragon Ultra SA HT Base, self adhesive base sheet, or 1-Ply 410 Omni Seal self adhesive base sheet, or 1-ply 420 Omni Seal self adhesive base sheet, or 1-Ply 620 Paragon Ultra TG Base, mechanically fastened. If this system configuration includes a 620 Paragon Ultra TG Base ply sheet (Item 3 below), then the following base options are allowed: One ply of any of the following base sheets; 501 Paragon Mod Base, 503, 515 Panobase, 602 Paragon Ultra Base, 603 Paragon Super Base, 605 Paragon Plus Base, 606 Paragon Duo Base, 401 Artic Seal self adhesive base sheet, or ply sheets 500 PanoPly 4, 506 PanoPly 6, mechanically fastened. When installing this system over a listed gypsum coverboard (minimum 1/4 in. thick) or directly to a non-combustible deck, this ply (Item 2) becomes optional. Optional: 1-Ply 620 Paragon Ultra TG Base, mechanically fastened or torch applied. 1-Ply 630 Paragon Ultra TG Cap, torch applied.	Spec ID 34258 (System AC/N-38)
Class A	2:12	**Deck: Combustible or Non-Combustible** <u>Vapor retarder (Optional)</u> Vapor retarder consisting of optional glass-faced gypsum or SECUROCK™ Brand Roof Board (min. ¼-inch thick) mechanically fastened, either spot adhered or fully adhered with hot roofing asphalt or semi-adhered with insulation adhesive ribbons followed by one or more plies of any combination of the following ply sheets; 500, 506 or ASTM D 2178, adhered with ASTM D 312 hot roofing asphalt or any combination of one or more plies of the following base sheets; 501, 503, 515, 602, 603 or 605 secured with any combination of the following application methods; • Mechanically fastened • Spot or fully adhered with ASTM D 312 hot roofing asphalt • Adhered with ASTM D 4479 cold process adhesive at a rate of 1.5 gals./sq./layer	Spec ID 58117 (System AC/N-39)

		Insulation (Optional) Polyisocyanurate, polyisocyanurate composite, polystyrene, polystyrene composite, glass fiber, perlite, rock wool, wood fiber, glass-faced gypsum or SECUROCK™ Brand Roof Board (min. ¼-inch thick), gypsum (min. ½-inch thick) or asphaltic cover boards (min. 1/8-inch thick), any thickness (except as noted) or combination, mechanically fastened, either spot adhered or fully adhered with hot roofing asphalt or semi-adhered with insulation adhesive ribbons. Note: When EPS insulation is applied over a metal or combustible deck, a thermal barrier complying with section 2603.4.1.5 or applicable current section of the IBC is required. Base Sheet (1 ply minimum 1 or more plies) 501, 515 Panobase, 602 Paragon Ultra Base Ply Sheet (2 plies minimum) Two or more plies of any combination of the following base sheets 501 Paragon Mod Base, 503, 515 Panobase, 602 Paragon Ultra Base, or ply sheets 500 PanoPly 4, 506 PanoPly 6, secured or adhered with any combination of the following application methods; • Mechanically fastened • Spot or fully adhered with ASTM D 312 hot roofing asphalt • Adhered with Karnak 66 or ASTM D 4479 cold process adhesive at a rate of 1.5 gals./sq./layer Surfacing 1-Ply 524G Paragon R cap, adhered with ASTM D 312 hot roofing asphalt Karnak 66, or ASTM D 4479 cold process adhesive at a rate of 1.5 gals./sq./layer	

Class A	1:12	**Deck: Non-Combustible** Optional Insulations: Manufacturer specified, certified insulations. 1-Ply 1000 ESHAvent® thermally adhered. 3-Plies 500 Fiberglass ply sheet, hot mopped with ASTM-D312 roofing asphalt. Roofing gravel ballast applied at a minimum 400 lbs./sq. into flood coat of cold adhesive or ASTM-D312 roofing asphalt.	Spec ID 16188 (System AN-02)
Class A	2:12	**Deck: Non-Combustible** Optional Insulations: Manufacturer specified, certified insulations. *Optional: 1-Ply 501, 503, 515, 602, 603, 605 Panoply base sheet. *1-Ply 602, 603, 605 Panoply, or 2-Plies 501 or 503 base sheet, fully adhered with ASTM-D312 roofing asphalt, hot mopped. 1-Ply 601 Premium cap sheet, fully adhered with ASTM-D312 roofing asphalt, hot mopped, or 705 or ASTM-D3019 cold process adhesive at 2 gal./sq.	Spec ID 16189 (System AN-01)
Class A	1/2:12	**Deck: Non-Combustible** Optional Insulations: Manufacturer specified, certified insulations. *1-, 2-, 3-Plies 501, 503, 602, 603, 605 Panoply base sheet, fully adhered with ASTM-D312 roofing asphalt, hot mopped, or 1-Ply 1000 ESHAvent® self-adhesive base sheet. *1-Ply 601 Premium cap sheet, fully adhered with ASTM-D312 roofing asphalt, hot mopped.	Spec ID 16191 (System AN-04)

TABLE 3 - FIRE CLASSIFICATION – *Continued*

RATING	MINIMUM ROOF SLOPE	DECK CONSTRUCTION	INTERTEK LISTING (SpecDirect Spec ID)
Class A	1/2:12	**Deck: Non-Combustible** Optional Insulations: Manufacturer specified, certified insulations. *3-, 4-Plies 501, 503, 602, 603, 605 Panoply glass fibered base sheet, mechanically fasten first ply, fully adhere subsequent plies with either: Type III roofing asphalt OR Approved cold process adhesive(s). Surfaced with roofing gravel ballast at a minimum coverage rate of 400 lbs./sq. embedded into a flood coat of one of the adhesive systems noted above.	Spec ID 16192 (System AN-05)
Class A	1/2:12	**Deck: Non-Combustible** Optional Insulations: Manufacturer specified, certified insulations. Optional: 1-Ply 501, 503, 602, 603, 605 Panoply base sheet or 1000 ESHAvent® self-adhesive base sheet. *1-Ply 602, 603, or 2-Plies 501 or 503 glass fiber base sheet, mechanically fastened or fully adhered with ASTM-D312 asphalt, hot mopped. *1-Ply 601 Premium cap sheet, fully adhered with approved cold process adhesive or fully adhered with ASTM-D312 asphalt, hot mopped.	Spec ID 16193 (System AN-06)
Class A	1/2:12	**Deck: Non-Combustible** Optional Insulations: Manufacturer specified, certified insulations. *1-Ply 501, 503, 602, 603, Panoply glass fiber base sheet, mechanically fastened, or fully adhered with cold process adhesive, or 1004 ESHAvent® self-adhesive base sheet. *2-Plies 501, 503, 602, 603, Panoply glass fiber base sheet fully adhered with cold process adhesive at 1-1/2 gal./sq. each ply, or fully adhered with ASTM-D312 asphalt, hot mopped. Manufacturer specified non-fibered emulsion coating at 3 gal./sq. 3M Brand Roofing Granules embedded at 50 lbs./sq.	Spec ID 16196 (System AN-09)

TABLE 3 - FIRE CLASSIFICATION – *Continued*

RATING	MINIMUM ROOF SLOPE	DECK CONSTRUCTION	INTERTEK LISTING (SpecDirect Spec ID)
Class A	3:12	**Deck: Non-Combustible** Optional Insulations: Manufacturer specified, certified insulations. *Optional Base Sheet: 1-Ply 501, 602, 603, Panoply fully adhered with ASTM-D312 roofing asphalt, hot mopped, or 1-Ply 1000 ESHAvent® self-adhesive base sheet. *2-, 3-, 4-Plies 500, 506 ply sheet or 501, 602, 603, Panoply base sheet fully adhered with ASTM-D312 roofing asphalt, hot mopped. Flood coat with ASTM-D312 roofing asphalt, gravel ballast at 400 lbs./sq.	Spec ID 16197 (System AC-10)
Class B	1/2:12	**Deck: Combustible** Optional Insulations: Manufacturer specified, certified insulations. *2-Plies 500, 506 ply sheet, or 501, 602, 603, Panoply base sheet, hot mopped with ASTM-D312 roofing asphalt. Coated with ASTM-D1227 emulsified asphalt at 3 gal./sq.	Spec ID 16209 (System BC-03)
Class B	1/2:12	**Deck: Combustible** Optional Insulations: Manufacturer specified, certified insulations. *1-Ply 601 Premium cap sheet, fully adhered with ASTM-D312 roofing asphalt, hot mopped	Spec ID 16210 (System BC-04)
Class B	1/2:12	**Deck: Combustible** Optional Insulations: Manufacturer specified, certified insulations. *2- or more Plies 501, 602, 603, Panoply glass fiber base sheet, fully adhered with cold process adhesive at 1-1/2 gal./sq. each ply. Coated with ASTM-D1227 asphalt emulsion at 3 gal./sq. 3M Brand Roofing Granules embedded at 50 lbs./sq.	Spec ID 16212 (System BC-05)

TABLE 3 - FIRE CLASSIFICATION – *Continued*

RATING	MINIMUM ROOF SLOPE	DECK CONSTRUCTION	INTERTEK LISTING (SpecDirect Spec ID)
Class B	2:12	**Deck: Combustible** Optional Insulations: Manufacturer specified, certified insulations. *Optional: 1-Ply 501, 602, 603, Panoply base sheet. *1-Ply 602, 603, Panoply or 2-Plies 501 base sheet, fully adhered with ASTM-D312 roofing asphalt, hot mopped. *1-Ply 601 Premium cap sheet, fully adhered with ASTM-D312 roofing asphalt, hot mopped.	Spec ID 16213 (System BC-06)
Class B	1/2:12	**Deck: Combustible** Optional Insulations: Manufacturer specified, certified insulations. *1- or more Plies, 501,602, 603 Panoply base sheet, mechanically fastened or fully adhered with 705 or ASTM-D3019 cold process adhesive, or ASTM-D312 roofing asphalt, hot mopped. *1-Ply 601 Premium cap sheet, fully adhered with ASTM-D3019 cold process adhesive, or ASTM-D312 roofing asphalt, hot mopped.	Spec ID 16214 (System BC-07)

TABLE 4 – WIND UPLIFT RESISTANCE PER FM 4474

Table 4A - Steel Decks

System No.	Deck	Insulation		Coverboard		Roof Cover			Allowable Wind Pressure (psf)
		Type	Attachment	Type	Attachment	Base	Ply	Cap	
1	Min. 22 ga., Type B, Grade 40 steel in new construction, re-roof, or recover construction	One or more layers of any insulation type and any thickness (optional for recover construction)	Loose-laid	Min. 0.5 in. DensDeck Prime Roof Board	Mechanically attached at 1 per 1.78 ft^2 Any of these fasteners: Dekfast #12 DP, Dekfast #14 or Dekfast #15 HS with Dekfast Galvalume® Hex Plates or Dekfast 3" Round Steel Plates, OMG #12 Roofgrip, OMG #14 Roofgrip or OMG XHD with OMG 3 in. Galvalume® Steel Plates (non-ribbed) or OMG Flat Bottom AccuTrac Plate or Trufast #12 DP, Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate	610 or 420 (self-adhered)	-	435 or 635 (SA) Or 161, 164, or 630 (torch-applied)	67.5

TABLE 4 – WIND UPLIFT RESISTANCE PER FM 4474 – *Continued*

Table 4A - Steel Decks

System No.	Deck	Insulation		Coverboard		Roof Cover			Allowable Wind Pressure (psf)
		Type	Attachment	Type	Attachment	Base	Ply	Cap	
2	Min. 22 ga., Type B, Grade 40 steel in new construction, re-roof or recover construction	One or more layers of any insulation type and any thickness (optional for recover construction)	Loose-laid	-	-	501 or 410 fastened 6 in. oc at the 4 in. wide side laps and 12 in. oc at two equally spaced, staggered center rows Fastener types: Dekfast #12 DP, Dekfast #14 or Dekfast #15 HS with Dekfast Galvalume® Hex Plates or Dekfast 3" Round Steel Plates, OMG #12 Roofgrip, OMG #14 Roofgrip or OMG XHD with OMG 3 in. Galvalume® Steel Plates (non-ribbed) or OMG Flat Bottom AccuTrac Plate or Trufast #12 DP, Trufast #14 HD or Trufast #15 EHD with Trufast 3" Metal Insulation Plate.	61 or 420 (self-adhered)	435 or 635 (SA) or 161, 164, or 630 (torch-applied)	60.0

TABLE 4 – WIND UPLIFT RESISTANCE PER FM 4474 – *Continued*

Table 4A - Steel Decks

System No.	Deck	Insulation		Coverboard		Roof Cover			Allowable Wind Pressure (psf)
		Type	Attachment	Type	Attachment	Base	Ply	Cap	
3	22 ga., Grade 33 steel fastened 6 in. oc	1.5 in. thick MltipMax FA-3	Dekfast #12 with Dekfast Hex spaced every 2 ft^2	-	-	508 loosely laid	500 Glass Ply IV, hot mopped	502 or 524G hot mopped	30.0
4	22 ga., Grade 33 steel fastened 6 in. oc	1.5 in. thick MltipMax FA-3	Dekfast #12 with Dekfast Hex spaced every 2 ft^2	-	-	508 loosely laid	Two plies of 500 Glass Ply IV, hot mopped	502 or 524G hot mopped	37.5
5	22 ga., Grade 33 steel fastened 6 in. oc	1.5 in. thick MltipMax FA-3	Dekfast #12 with Dekfast Hex spaced every 2 ft^2	-	-	508 loosely laid	One or more plies of 500 Glass Ply IV, hot mopped	502 or 524G hot mopped	22.5
6	22 ga., type B, Grade 33 steel deck attached 6 in. oc with Tek/5 screws to structural supports spaced 6 ft. oc	Min. 1.5 in. polyisocyanurate insulation	Loose laid	-	-	515 fastened using SFS Intec #14 Fasteners and SFS 3” Rounds Plates spaced 12 in. oc in a 4 in. wide lap and 12 in. oc in two equally spaced staggered center rows	One ply of 500 hot mopped	502 or 524G hot mopped	97.5
7	22 ga., type B, Grade 33 steel deck attached 6 in. oc with Tek/5 screws with 3/4 in. washers to structural supports spaced 6 ft. oc (2 fasteners and washers per attachment point)	Min. 1.5 in. polyisocyanurate insulation	Loose laid	-	-	515 fastened using SFS Intec #14 Fasteners and SFS 3” Rounds Plates spaced 6 in. oc in a 4 in. wide lap and 6 in. oc in two equally spaced staggered center rows	One ply of 500 hot mopped	502 or 524G hot mopped	150.0

System No.	Deck	Insulation		Coverboard		Roof Cover			Allowable Wind Pressure (psf)
		Type	Attachment	Type	Attachment	Base	Ply	Cap	
8	22 ga., Type B, Grade 40 steel deck at max. 6-ft. span, attached with Tek 5 screws with 3/4-in. washers, spaced 6-in. o.c. Side lap stitched with Tek 1 screws, spaced 24-in. o.c	One or more layers, min. 2-in. Atlas Roofing ACFoam II, Hunter Panels H-Shield, Johns Manville ENRGY 3" or Rmax Ltd. Multi-Max FA3	OMG OlyBond 500 adhesive, continuous ribbons spaced maximum 12-in. o.c.	½ in. thick Dens Deck Prime Board (Optional) Detec Systems TruGround Primer applied at 0.4 gal/square.	MG OlyBond 500 adhesive, continuous ribbons spaced maximum 12-in. o.c.	602, hot-asphalt-applied, 620 torch-applied, or 610 self-adhered	(Optional) 602 hot-asphalt-applied, or 620 torch-applied	625 hot asphalt-applied, or 630 torch-applied	90.0
9	Min. 22 ga., Type B, Grade 40 steel at max. 6-ft. span, attached with Tek 5 screws with 3/4-in. washers, spaced 6-in. o.c. Side lap stitched with Tek 1 screws, spaced 24-in. o.c.	One or more layers, Atlas Roofing ACFoam II, Hunter Panels H-Shield, Johns Manville ENRGY 3 or Rmax Ltd. Multi-Max FA3	Dekfast DF-#15-PH3 with Dekfast PLT-R-3, OMG XHD Fasteners with OMG 3-in. Galvalume Steel Plates, or Trufast #15 EHD with Trufast 3" Metal Insulation Plate at 1 per 1.3 ft^2 (24 parts per 4x8 board)	½ in. thick Dens Deck Prime Board (Optional) Detec Systems TruGround Primer applied at 0.4 gal/square.	Hot asphalt	602, hot-asphalt-applied, 620 torch-applied, or 610 self-adhered	(Optional) 602 hot-asphalt-applied, or 620 torch-applied	625 hot asphalt-applied, or 630 torch-applied	90.0
10	Min. 22 ga., Type B, Grade 40 steel at max. 6-ft. span, attached with Tek 5 screws with 3/4-in. washers, spaced 6-in. o.c. Side lap stitched with Tek 1 screws, spaced 24-in. o.c.	One or more layers, min. 2-inch Atlas Roofing ACFoam II, Hunter Panels H-Shield, Johns Manville ENRGY 3 or Rmax Ltd Multi-Max FA3	Loose laid	½ in. thick Dens Deck Prime Board (Optional) Detec Systems TruGround Primer applied at 0.4 gal/square.	Mechanically fastened using Dekfast DF-#15-PH3 with Dekfast PLT-R-3 or Dekfast PLT-H-2-7/8, OMG XHD Fasteners with OMG 3-in. Galvalume Steel Plates or OMG Flat Bottom Metal Plate (AccuTrac), or Trufast #15 EHD with Trufast 3" Metal Insulation Plate at 1 per 1.3 ft^2 (24 parts per 4x8 board)	kno	(Optional) 602 hot-asphalt-applied, or 620 torch-applied	625 hot asphalt-applied, or 630 torch-applied	135.0

TABLE 4 – WIND UPLIFT RESISTANCE PER FM 4474 – *Continued*

Table 4A - Steel Decks

System No.	Deck	Insulation		Coverboard		Roof Cover			Allowable Wind Pressure (psf)
		Type	Attachment	Type	Attachment	Base	Ply	Cap	
11	Steel Deck	2.0 in. thick H-Shield	Loose-laid	1/4 in. thick Securock Gypsum-Fiber Roof Board	Mechanically fastened with OMG 3" Galvalume Steel Plate and OMG #12 Standard at a rate of 1 fastener per 4 ft^2	One ply of 620 torch applied (3 in. wide laps torched)	-	One ply of 630 torch applied (3 in. wide laps torched)	45.0
12	Steel Deck	2.0 in. thick H-Shield	Loose-laid	1/4 in. thick Dens Deck Prime Board	Mechanically fastened with OMG 3" Galvalume Steel Plate and OMG #12 Standard at a rate of 1 fastener per 2.67 ft^2	One ply of 610 self-adhered	-	One ply of 630 torch applied (3 in. wide laps torched)	45.0
13	Steel Deck	2.0 in. thick H-Shield	Loose-laid	1/4 in. thick Dens Deck Prime Board	Mechanically fastened with 3 in. Round Metal Plate and #12 Roofgrip fasteners 12 fasteners per 4x8 ft contributory area.	Two plies of 503 applied with Karnak No. 66 Modified Bitumen Adhesive at a rate of 1.5-2.0 gal/ft^2	-	601 Paragon applied with Karnak No. 66 Modified Bitumen Adhesive at a rate of 1.5-2.0 gal/ft^2	37.5
14	Steel Deck	2.0 in. thick H-Shield	Mechanically fastened with OMG 3" Galvalume Steel Plate and OMG #12 Standard at 1 per 4 ft^2	1/4 in. thick Dens Deck Prime Board	Adhered with Olybond 500 applied in 0.75 in wide ribbons spaced 12 in. oc	Two plies of 503 applied with Karnak No. 66 Modified Bitumen Adhesive at a rate of 1.5-2.0 gal/ft^2	-	601 Paragon applied with Karnak No. 66 Modified Bitumen Adhesive at a rate of 1.5-2.0 gal/ft^2	37.5
15	Steel Deck	2.0 in. thick H-Shield	Loose-laid	3/4 in. thick Fesco Board	Mechanically fastened with OMG 3" Galvalume Steel Plate and OMG #12 Standard at a rate of 1 fastener per 2 ft^2	One ply of 503 applied with 737 Solvent Free SBS Mod-Bit Adhesive at a rate of 1.5-2.0 gal/ft^2	430 OMN-	601 Paragon MOD Cap applied with 737 Solvent Free SBS Mod-Bit Adhesive at a rate of 1.5-2.0 gal/ft^2	30.0

TABLE 4 – WIND UPLIFT RESISTANCE PER FM 4474 – *Continued*

Table 4B - OSB Decks

System No.	Deck	Insulation		Coverboard		Roof Cover			Allowable Design Pressure (psf)
		Type	Attachment	Type	Attachment	Base	Ply	Cap	
16	Min. 7/16 in. thick OSB at max. 24 in. spans (decking fastened every 6 in. oc with wood screws to structural support spaced at 24 in. oc)	-	-	-	-	515 attached using staples spaced 9 in. oc in minimum 2 in. wide lap and 9 in. oc in one row centered in field	One or more plies of 500, 610, or 620 applied in ASTM D6152, SEBS-modified asphalt, or one or more plies of 500, 506, 501, 602, or 603 applied in ASTM D312, type II or IV hot asphalt, at a rate of 25 lbs/ft^2	502, 524G, 350, 601, 630, 625, or 626G applied in ASTM D312, type II or IV hot asphalt, at a rate of 25 lb/ft^2, or 630, 625, or 626G applied in ASTM D6152, SEBS-modified asphalt. 630, 625, and 626G can also be torch-applied	15.0
17	Min. 7/16 in. thick OSB at max. 24 in. spans (decking fastened every 6 in. oc with wood screws to structural support spaced at 24 in. oc)	-	-	-	-	515, mechanically attached with tape and staples spaced 9 in. oc in minimum 2 in. wide lap and 9 in. oc in two equally spaced staggered rows in the field	One or more plies of 500, 610, or 620 applied in ASTM D6152, SEBS-modified asphalt, or one or more plies of 500, 506, 501, 602, or 603 applied in ASTM D312, type II or IV hot asphalt, at a rate of 25 lbs/ft^2	502, 524G, 350, 601, 630, 625, or 626G applied in ASTM D312, type II or IV hot asphalt, at a rate of 25 lb/ft^2, or 630, 625, or 626G applied in ASTM D6152, SEBS-modified asphalt. 630, 625, and 626G can also be torch-applied	45.0

TABLE 4 – WIND UPLIFT RESISTANCE PER FM 4474 – *Continued*

Table 4B - OSB Decks

System No.	Deck	Insulation		Coverboard		Roof Cover			Allowable Design Pressure (psf)
		Type	Attachment	Type	Attachment	Base	Ply	Cap	
18	Min. 7/16 in. thick OSB at max. 24 in. spans (decking fastened every 6 in. oc with wood screws to structural support spaced at 24 in. oc)	1/2 in. thick HDWF Insulation	Fastened with Dekfast Hex plats and #14 fasteners (8 fasteners per 4'x4' board)	-	-	515, adhered in full mopping of ASTM D6152, SEBS-modified asphalt or ASTM D312, type II or IV hot asphalt	One or more plies of 500, 610, or 620 applied in ASTM D6152, SEBS-modified asphalt, or one or more plies of 500, 506, 501, 602, or 603 applied in ASTM D312, type II or IV hot asphalt, at a rate of 25 lbs/ft^2	502, 524G, 350, 601, 630, 625, or 626G applied in ASTM D312, type II or IV hot asphalt, at a rate of 25 lb/ft^2, or 630, 625, or 626G applied in ASTM D6152, SEBS-modified asphalt. 630, 625, and 626G can also be torch-applied	45.0
19	Min. 7/16 in. thick OSB at max. 24 in. spans (decking fastened every 6 in. oc with wood screws to structural support spaced at 24 in. oc)	1/8 in. thick RPB Insulation	Fastened with Dekfast Hex plates and #14 fasteners (10 fasteners per 4'x5' area)	-	-	515 adhered in ASTM D6152, SEBS-modified asphalt or ASTM D312, type II or IV hot asphalt	One or more plies of 500, 610, or 620 applied in ASTM D6152, SEBS-modified asphalt, or one or more plies of 500, 506, 501, 602, or 603 applied in ASTM D312, type II or IV hot asphalt, at a rate of 25 lbs/ft^2	502, 524G, 350, 601, 630, 625, or 626G applied in ASTM D312, type II or IV hot asphalt, at a rate of 25 lb/ft^2, or 630, 625, or 626G applied in ASTM D6152, SEBS-modified asphalt. 630, 625, and 626G can also be torch-applied	45.0

TABLE 4 – WIND UPLIFT RESISTANCE PER FM 4474 – *Continued*

Table 4B - OSB Decks

System No.	Deck	Insulation		Coverboard		Roof Cover			Allowable Design Pressure (psf)
		Type	Attachment	Type	Attachment	Base	Ply	Cap	
20	Min. 7/16 in. thick OSB at max. 24 in. spans (decking fastened every 6 in. oc with wood screws to structural support spaced at 24 in. oc)	-	-	1/8 in. thick Perma-Board	Fastened using Dekfast Hex plates and #14 fasteners (9 fasteners per 5'x3.3' board)	515, adhered in full mopping of ASTM D6152, SEBS-modified asphalt or ASTM D312, type II or IV hot asphalt	One or more plies of 500, 610, or 620 applied in ASTM D6152, SEBS-modified asphalt, or one or more plies of 500, 506, 501, 602, or 603 applied in ASTM D312, type II or IV hot asphalt, at a rate of 25 lbs/ft^2	502, 524G, 350, 601, 630, 625, or 626G applied in ASTM D312, type II or IV hot asphalt, at a rate of 25 lb/ft^2, or 630, 625, or 626G applied in ASTM D6152, SEBS-modified asphalt. 630, 625, and 626G can also be torch-applied	30.0
21	Min. 7/16 in. thick OSB at max. 24 in. spans (decking fastened every 6 in. oc with wood screws to structural support spaced at 24 in. oc)	1/8 in. thick RPB Insulation	Fastened with Dekfast Hex plates and #14 fasteners (10 fasteners per 4'x5' area)	-	-	603 using 1 in. wide ribbons of Weather-Tite Hurricane Force lap and Membrane adhesive, every 12 in. oc	-	524 or 350 using 1 in. wide ribbons of Weather-Tite Hurricane Force lap and Membrane adhesive, every 12 in. oc (directly on top of base sheet ribbon)	45.0

TABLE 4 – WIND UPLIFT RESISTANCE PER FM 4474 – *Continued*

Table 4B - OSB Decks

System No.	Deck	Insulation		Coverboard		Roof Cover			Allowable Design Pressure (psf)
		Type	Attachment	Type	Attachment	Base	Ply	Cap	
22	Min. 7/16 in. thick OSB at max. 24 in. spans (decking fastened every 6 in. oc with wood screws to structural support spaced at 24 in. oc)	-	-	-	-	515 attached using staples spaced 9 in. oc in minimum 2 in. wide lap and 9 in. oc in four equally spaced staggered rows in the field	One or more plies of 500, 610, or 620 applied in ASTM D6152, SEBS-modified asphalt, or one or more plies of 500, 506, 501, 602, or 603 applied in ASTM D312, type II or IV hot asphalt, at a rate of 25 lbs/ft^2	502, 524G, 350, 601, 630, 625, or 626G applied in ASTM D312, type II or IV hot asphalt, at a rate of 25 lb/ft^2, or 630, 625, or 626G applied in ASTM D6152, SEBS-modified asphalt. 630, 625, and 626G can also be torch-applied	30.0
23[1]	Min. 7/16 in. thick OSB at max. 24 in. spans (decking fastened every 6 in. oc with wood screws to structural support spaced at 24 in. oc)	-	-	-	-	515 attached using staples spaced 9 in. oc in minimum 2 in. wide lap and 9 in. oc in one row centered in field	On ply of 500 applied in ASTM D6152, SEBS-modified asphalt or ASTM D312, type II or IV hot asphalt, at a rate of 25 lbs/ft^2	502, 524G, 350, 601, 630, 625, or 626G applied in ASTM D312, type II or IV hot asphalt, at a rate of 25 lb/ft^2, or 630, 625, or 626G applied in ASTM D6152, SEBS-modified asphalt. 630, 625, and 626G can also be torch-applied.	30.0

TABLE 4 – WIND UPLIFT RESISTANCE PER FM 4474 – *Continued*

Table 4B - OSB Decks

System No.	Deck	Insulation		Coverboard		Roof Cover			Allowable Design Pressure (psf)
		Type	Attachment	Type	Attachment	Base	Ply	Cap	
								Base coat of Ultra-Flex 4000 applied at a rate of 1 gal/sq (approx. 15 wet mils). Reinforcement fabric is embedded. Top Coat of Ultra-Flex 4000 applied at a rate of 1.55 gal/sq (approx. 25 wet mils thick).in hot asphalt at a rate of 25 lbs/sq.	
24[2]	Min. 7/16 in. thick OSB at max. 24 in. spans (decking fastened every 6 in. oc with wood screws to structural support spaced at 24 in. oc)	-	-	-	-	515 attached using staples spaced 9 in. oc in minimum 2 in. wide lap and 9 in. oc in one row centered in field	On ply of 500 applied in ASTM D6152, SEBS-modified asphalt or ASTM D312, type II or IV hot asphalt, at a rate of 25 lbs/ft^2	502, 524G, 350, 601, 630, 625, or 626G applied in ASTM D312, type II or IV hot asphalt, at a rate of 25 lb/ft^2, or 630, 625, or 626G applied in ASTM D6152, SEBS-modified asphalt. 630, 625, and 626G can also be torch-applied.	Note 2

TABLE 4 – WIND UPLIFT RESISTANCE PER FM 4474 – *Continued*

Table 4B - OSB Decks

System No.	Deck	Insulation		Coverboard		Roof Cover			Allowable Design Pressure (psf)
		Type	Attachment	Type	Attachment	Base	Ply	Cap	
								Base coat of Ultra-Flex 4000 applied at a rate of 1 gal/sq (approx. 15 wet mils). Reinforcement fabric is embedded. Top Coat of Ultra-Flex 4000 applied at a rate of 1.55 gal/sq (approx. 25 wet mils thick).in hot asphalt at a rate of 25 lbs/sq.	
25	Min. 7/16 in. thick OSB at max. 24 in. spans (decking fastened every 6 in. oc with wood screws to structural support spaced at 24 in. oc)	-	-	-	-	515 attached using staples spaced 9 in. oc in minimum 2 in. wide lap and 9 in. oc in one row centered in field	On ply of 500 applied in ASTM D6152, SEBS-modified asphalt or ASTM D312, type II or IV hot asphalt, at a rate of 25 lbs/ft^2	502, 524G, 350, 601, 630, 625, or 626G applied in ASTM D312, type II or IV hot asphalt, at a rate of 25 lb/ft^2, or 630, 625, or 626G applied in ASTM D6152, SEBS-modified asphalt. 630, 625, and 626G can also be torch-applied.	90.0

TABLE 4 – WIND UPLIFT RESISTANCE PER FM 4474 – *Continued*

Table 4B - OSB Decks

System No.	Deck	Insulation		Coverboard		Roof Cover			Allowable Design Pressure (psf)
		Type	Attachment	Type	Attachment	Base	Ply	Cap	
								Supplemental attachment: #14 fasteners installed 6 in. oc through SFS Batten Bars spaced 18 in. oc (Note one row is 3 in. in from lap in cap sheet) Min. 5 in. wide strips of 502 adhered on top of batten bar with SEBS asphalt.	
26	Min. 7/16 in. thick OSB at max. 24 in. spans (decking fastened every 6 in. oc with wood screws to structural support spaced at 24 in. oc)	-	-	-	-	515 attached using staples spaced 9 in. oc in minimum 2 in. wide lap and 9 in. oc in eight rows centered in field	One or more plies of 500, 610, or 620 applied in ASTM D6152, SEBS-modified asphalt, or one or more plies of 500, 506, 501, 602, or 603 applied in ASTM D312, type II or IV hot asphalt, at a rate of 25 lbs/ft^2	502, 524G, 350, 601, 630, 625, or 626G applied in ASTM D312, type II or IV hot asphalt, at a rate of 25 lb/ft^2, or 630, 625, or 626G applied in ASTM D6152, SEBS-modified asphalt. 630, 625, and 626G can also be torch-applied.	60.0

TABLE 4 – WIND UPLIFT RESISTANCE PER FM 4474 – *Continued*

Table 4B - OSB Decks

System No.	Deck	Insulation		Coverboard		Roof Cover			Allowable Design Pressure (psf)
		Type	Attachment	Type	Attachment	Base	Ply	Cap	
27	Min. 7/16 in. thick OSB at max. 24 in. spans (decking fastened every 6 in. oc with wood screws to structural support spaced at 24 in. oc)	-	-	-	-	515 attached using Jevcaps 1 in. head diameter, 0.129 in. shank diameter, 1.5 in. long ring shank cap nails	One ply of 500 hot mopped	502 or 524G hot mopped	15.0
28	5/8 in. thick OSB fastened ever 6 in. oc with #8 wood screws to structural supports spaced 24 in. oc	-	-	-	-	515 attached using Senco tape and staples spaced 9 in. oc in a 2 in. wide lap and 9 in. oc in eight rows centered in field	One ply of 500 hot mopped	502 or 524G hot mopped	67.5
29	Min. 7/16 in. thick OSB at max. 24 in. spans (decking fastened every 6 in. oc with wood screws to structural support spaced at 24 in. oc)	-	-	-	-	One ply of 501 or 515 stapled 9 in. oc at the min. 2 in. wide side laps and 9 in. oc at five equally spaced center rows	One ply of 500 applied in ASTM D312, type II or IV hot asphalt or ASTM D6152, SEBS-modified asphalt	502, 524G, 350, 601, 630, 625, or 626G applied in ASTM D312, type II or IV hot asphalt, at a rate of 25 lb/ft^2, or 630, 625, or 626G applied in ASTM D6152, SEBS-modified asphalt. 630, 625, and 626G can also be torch-applied.	45.0

TABLE 4 – WIND UPLIFT RESISTANCE PER FM 4474 – *Continued*

Table 4B - OSB Decks

System No.	Deck	Insulation		Coverboard		Roof Cover			Allowable Design Pressure (psf)
		Type	Attachment	Type	Attachment	Base	Ply	Cap	
30	Min. 7/16 in. thick OSB at max. 24 in. spans (decking fastened every 6 in. oc with wood screws to structural support spaced at 24 in. oc)	-	-	-	-	One ply of 501 or 515 stapled 9 in. oc at the min. 2 in. wide side laps and 9 in. oc at six equally spaced center rows	One ply of 500 applied in ASTM D312, type II or IV hot asphalt or ASTM D6152, SEBS-modified asphalt	502, 524G, 350, 601, 630, 625, or 626G applied in ASTM D312, type II or IV hot asphalt, at a rate of 25 lb/ft^2, or 630, 625, or 626G applied in ASTM D6152, SEBS-modified asphalt. 630, 625, and 626G can also be torch-applied.	45.0
31	Min. 7/16 in. thick OSB at max. 24 in. spans (decking fastened every 6 in. oc with wood screws to structural support spaced at 24 in. oc)	-	-	-	-	One ply of 501 or 515 stapled 9 in. oc at the min. 2 in. wide side laps and 9 in. oc at seven equally spaced center rows	One ply of 500 applied in ASTM D312, type II or IV hot asphalt or ASTM D6152, SEBS-modified asphalt	502, 524G, 350, 601, 630, 625, or 626G applied in ASTM D312, type II or IV hot asphalt, at a rate of 25 lb/ft^2, or 630, 625, or 626G applied in ASTM D6152, SEBS-modified asphalt. 630, 625, and 626G can also be torch-applied.	45.0

TABLE 4 – WIND UPLIFT RESISTANCE PER FM 4474 – *Continued*

Table 4B - OSB Decks

System No.	Deck	Insulation		Coverboard		Roof Cover			Allowable Design Pressure (psf)
		Type	Attachment	Type	Attachment	Base	Ply	Cap	
32	Min. 7/16 in. thick OSB at max. 24 in. spans (decking fastened every 6 in. oc with wood screws to structural support spaced at 24 in. oc)	-	-	-	-	One ply of 515 or 501 attached using Grip-Rite Grip-Cap 1-1/2 in. EG Square Metal Cap every 6 in. oc at 2 in. wide laps and 6 in. oc at two equally spaced, staggered center row	Two plies of 500 in hot asphalt	502 or 524G in hot asphalt, at a rate of 25 lb/ft^2	37.5
33	Min. 7/16 in. thick OSB at max. 24 in. spans (decking fastened every 6 in. oc with wood screws to structural support spaced at 24 in. oc)	-	-	-	-	One ply of 515 or 501 attached using Grip-Rite Grip-Cap 1-1/2 in. EG Square Metal Cap every 6 in. oc at 2 in. wide laps and 6 in. oc at four equally spaced, staggered center row	Two plies of 500 in hot asphalt (RATE)	502 or 524G in hot asphalt, at a rate of 25 lb/ft^2	45.0

TABLE 4 – WIND UPLIFT RESISTANCE PER FM 4474 – *Continued*

Table 4B - OSB Decks

System No.	Deck	Insulation		Coverboard		Roof Cover			Allowable Design Pressure (psf)
		Type	Attachment	Type	Attachment	Base	Ply	Cap	
34	Min. 7/16 in. thick OSB at max. 24 in. spans (decking fastened every 6 in. oc with wood screws to structural support spaced at 24 in. oc)	1.5 in. thick ENRGY 3®	Trufast #12 DP Trufast 3" Metal Insulation Plate, 1 per 2 sq. ft	0.75 in. thick Fresco® Board or 0.5 in. thick Structodeck High Density Fiberboard	ASTM D6152, SEBS-modified asphalt or ASTM D312, type II or IV hot asphalt	515 or 501 Spot-mopped in ASTM D6152, SEBS-modified asphalt or ASTM D312, type II or IV hot asphalt every 8 in. diameter spots 24 in. oc	Optional: 500 or 506 applied in ASTM D312, type II or IV hot asphalt	Two plies of 502, 524G, 350, 601, 630, 625, or 626G applied in ASTM D312, type II or IV hot asphalt, at a rate of 25 lb/ft^2, or 630, 625, or 626G applied in ASTM D6152, SEBS-modified asphalt. 630, 625, and 626G can also be torch-applied.	45.0

1. Recover attachment: #14 fasteners installed 9 in. oc through SFS Isofast IF 82x50 Plates in rows spaced 18 in. oc (Note one row is 3 in. in from lap in cap sheet)
2. Recover attachment: #14 fasteners installed 6 in. oc through SFS Batten Bars spaced 18 in. oc (Note one row is 3 in. in from lap in cap sheet)

TABLE 4 – WIND UPLIFT RESISTANCE PER FM 4474 – *Continued*

Table 4C - Plywood Deck

System No.	Deck	Insulation		Coverboard		Roof Cover			Allowable Wind Pressure (psf)
		Type	Attachment	Type	Attachment	Base	Ply	Cap	
35	Min. 15/32 thick plywood at 24 in. span (decking fastened every 6 in. oc with wood screws to structural support spaced at 24 in. oc)	-	-	-	-	One ply of 515 or 501 attached using Grip-Rite Grip-Cap 1-1/2 in. EG Square Metal Cap every 8 in. oc at 2 in. wide laps and 8 in. oc at two equally spaced, staggered center row	Two plies of 500 in hot asphalt	502 or 524G in hot asphalt at a rate of 25 lb/ft^2	37.5
36	Min. 15/32 thick plywood at 24 in. span (decking fastened every 6 in. oc with wood screws to structural support spaced at 24 in. oc)	-	-	-	-	One ply of 515 or 501 attached using Grip-Rite Grip-Cap 1-1/2 in. EG Square Metal Cap every 8 in. oc at 2 in. wide laps and 8 in. oc at three equally spaced, staggered center row	Two plies of 500 in hot asphalt (RATE)	502 or 524G in hot asphalt at a rate of 25 lb/ft^2	45.0

TABLE 4 – WIND UPLIFT RESISTANCE PER FM 4474 – *Continued*

Table 4D – OSB or Plywood Decks

System No.	Deck	Insulation		Coverboard		Roof Cover			Allowable Design Pressure (psf)
		Type	Attachment	Type	Attachment	Base	Ply	Cap	
37	Min. 7/16" APA rated OSB or min. 15/32" APA rated plywood at max. 2 ft span.	-	-	-	-	610 self-adhered	(Optional) 620 torch-applied	626G or 630 torch-applied	45.0
38	Min. 7/16" APA rated OSB or min. 15/32" APA rated plywood at max. 2 ft span.	-	-	-	-	610 self-adhered	(Optional) 501, 602, 603, 606 or 620 applied in hot asphalt	350, 502, 524G, 601, 625, 626G, 630 or 660 applied in hot asphalt	45.0
39	Min. 7/16" APA rated OSB or min. 15/32" APA rated plywood at max. 2 ft span	-	-	-	-	401 Arctic Seal, self-adhered	(Optional) 620 torch-applied	626G or 630 torch-applied	45.0
40	Min. 7/16" APA rated OSB or min. 15/32" APA rated plywood at max. 2 ft span.	-	-	-	-	401 self-adhered	(Optional) 501, 602, 603, 606 applied in hot asphalt	350, 502, 524G, 601, 625, 626G, 630 or 660 applied in hot asphalt	45.0
41	Min. 7/16" APA rated OSB or min. 15/32" APA rated plywood at max. 2 ft span.	-	-	-	-	501 mechanically attached with Quick Build 1" EG Square Cap Metal Nails R/S spaced 8" o.c. at 2-inch wide side laps and 8" o.c. at two (2) equally spaced, staggered center rows	Base ply: 610 self-adhered (Optional) 620 torch-applied	626G or 630 torch-applied	30.0

TABLE 4 – WIND UPLIFT RESISTANCE PER FM 4474 – *Continued*

Table 4D – OSB or Plywood Decks

System No.	Deck	Insulation		Coverboard		Roof Cover			Allowable Design Pressure (psf)
		Type	Attachment	Type	Attachment	Base	Ply	Cap	
42	Min. 7/16" APA rated OSB or min. 15/32" APA rated plywood at max. 2 ft span.	-	-	-	-	501 mechanically attached with Quick Build 1" EG Square Cap Metal Nails R/S spaced 8" o.c. at 2-inch wide side laps and 8" o.c. at two (2) equally spaced, staggered center rows	Base ply: 610 self-adhered (Optional) 501, 602, 603, 606 or 620 applied in hot asphalt	350, 502, 524G, 601, 625, 626G, 630 or 660 applied in hot asphalt	30.0
43	Min. 7/16" APA rated OSB or min. 15/32" APA rated plywood at max. 2 ft span.	Min. 2-inch Atlas Roofing "ACFoam II", Firestone "ISO 95+ GL", Hunter Panels "H-Shield", Johns Manville ENRGY 3 or Rmax "Multi-Max FA3"	OMG #12 Standard Roofgrip or Heavy Duty Roofing Fastener (#14) and OMG 3" Galvalume Steel Plate or OMG Flat Bottom Metal Plate or SFS intec Dekfast DF-#12-PH3 or DF-#14-PH3 with Dekfast PLT-R-3 plates or Trufast #12 DP or Trufast #14 HD with Trufast 3" Metal Insulation Plate at 1 per 2.67 ft^2 (12 parts per 4x8 ft board).	Blue Ridge Fiberboard "STURDY-DEK Asphaltic Cover Board"	Hot asphalt	401 or 610 self-adhered	(Optional) 620 torch-applied	626G or 630 torch-applied	37.5

TABLE 4 – WIND UPLIFT RESISTANCE PER FM 4474 – *Continued*

Table 4D – OSB or Plywood Decks

System No.	Deck	Insulation		Coverboard		Roof Cover			Allowable Design Pressure (psf)
		Type	Attachment	Type	Attachment	Base	Ply	Cap	
44	Min. 7/16" APA rated OSB or min. 15/32" APA rated plywood at max. 2 ft span.	Min. 2-inch Atlas Roofing "ACFoam II", Firestone "ISO 95+ GL", Hunter Panels "H-Shield", Johns Manville ENRGY 3 or Rmax "Multi-Max FA3"	OMG #12 Standard Roofgrip or Heavy Duty Roofing Fastener (#14) and OMG 3" Galvalume Steel Plate or OMG Flat Bottom Metal Plate or SFS intec Dekfast DF-#12-PH3 or DF-#14-PH3 with Dekfast PLT-R-3 plates or Trufast #12 DP or Trufast #14 HD with Trufast 3" Metal Insulation Plate at 1 per 2.67 ft^2 (12 parts per 4x8 ft board).	Blue Ridge Fiberboard "STURDY-DEK Asphaltic Cover Board"	Hot asphalt	401 or 610 self-adhered	(Optional) 501, 602, 603, 606 or 620 in hot asphalt	350, 502, 524G, 601, 625, 626G, 630 or 660 applied in hot asphalt	37.5
45	Min. 7/16" APA rated OSB or min. 15/32" APA rated plywood at max. 2 ft span.	Min. 2-inch Atlas Roofing "ACFoam II", Firestone "ISO 95+ GL", Hunter Panels "H-Shield", Johns Manville ENRGY 3 or Rmax "Multi-Max FA3"	OMG #12 Standard Roofgrip or Heavy Duty Roofing Fastener (#14) and OMG 3" Galvalume Steel Plate or OMG Flat Bottom Metal Plate or SFS intec Dekfast DF-#12-PH3 or DF-#14-PH3 with Dekfast PLT-R-3 plates or Trufast #12 DP or Trufast #14 HD with Trufast 3" Metal Insulation Plate at 1 per 2.67 ft^2 (12 parts per 4x8 ft board).	Blue Ridge Fiberboard "STURDY-DEK Asphaltic Cover Board"	Hot asphalt	501 or 515 applied in hot asphalt	(Optional) 500 or 506 applied in hot asphalt	350, 502 or 524G applied in hot asphalt	37.5

TABLE 4 – WIND UPLIFT RESISTANCE PER FM 4474 – *Continued*

Table 4D – OSB or Plywood Decks

System No.	Deck	Insulation		Coverboard		Roof Cover			Allowable Design Pressure (psf)
		Type	Attachment	Type	Attachment	Base	Ply	Cap	
46	Min. 7/16" APA rated OSB or min. 15/32" APA rated plywood at max. 2 ft span.	Min. 2-inch Atlas Roofing "ACFoam II", Firestone "ISO 95+ GL", Hunter Panels "H-Shield", Johns Manville ENRGY 3 or Rmax "Multi-Max FA3"	OMG #12 Standard Roofgrip or Heavy Duty Roofing Fastener (#14) and OMG 3" Galvalume Steel Plate or OMG Flat Bottom Metal Plate or SFS intec Dekfast DF-#12-PH3 or DF-#14-PH3 with Dekfast PLT-R-3 plates or Trufast #12 DP or Trufast #14 HD with Trufast 3" Metal Insulation Plate at 1 per 2.67 ft^2 (12 parts per 4x8 ft board).	Blue Ridge Fiberboard "STURDY-DEK Asphaltic Cover Board"	Hot asphalt	620 torch-applied or 602, 603, 606 or 620 Paragon applied in hot asphalt	(Optional) 620 torch-applied or 602, 603, 606 or 620 applied in hot asphalt	630 torch-applied or 601, 625, 626G, 630 or 660 applied in hot asphalt	37.5

TABLE 4 –WIND UPLIFT RESISTANCE PER FM 4474 – *Continued*

Table 4E - Concrete Deck

System No.	Deck	Insulation		Coverboard		Roof Cover			Allowable Wind Pressure (psf)
		Type	Attachment	Type	Attachment	Base	Ply	Cap	
47	Structural concrete with asphalt primer	1.5 in. thick ENRGY 3®	Hot asphalt	0.75 in. thick Fresco® Board or 0.5 in. thick Structodeck High Density Fiberboard	ASTM D6152, SEBS-modified asphalt or ASTM D312, type II or IV hot asphalt	515 or 501 Spot-mopped in ASTM D6152, SEBS-modified asphalt or ASTM D312, type II or IV hot asphalt every 8 in. diameter spots 24 in. oc	Optional: 500 or 506 applied in ASTM D312, type II or IV hot asphalt	Two plies of 502, 524G, 350, 601, 630, 625, or 626G applied in ASTM D312, type II or IV hot asphalt, at a rate of 25 lb/ft^2, or 630, 625, or 626G applied in ASTM D6152, SEBS-modified asphalt. 630, 625, and 626G can also be torch-applied	45.0