

## FLUID APPLIED COATING SYSTEMS

### Class A

- 1. Deck: NC** **Incline: Unlimited**

**Joint Treatment:** — All mechanical fasteners and any seams with a gap in excess of 1/16-in. shall be treated with an acrylic or single package urethane caulk. After the caulk has set, a 4 to 12-in. wide, 15 to 20-mil pass of "Acrylic 211" coating shall be applied over the center of caulk bead. A 4 to 12-in. wide application of "Acrylic 211 Fabric" is then embedded into the wet "Acrylic 211" coating.

**Base Coat:** — One application "Acrylic 211," applied at 1-gal/sq.

**Reinforcement (Optional):** — "Acrylic 211 Fabric," embedded into base coat.

**Surfacing:** — Two or three applications "Acrylic 211," applied at a rate of 1-gal/100-ft<sup>2</sup>/application.
- 2. Deck: NC** **Incline: 1-1/2**

**Joint Treatment:** — All mechanical fasteners and any seams with a gap in excess of 1/16-in. shall be treated with an acrylic or single package urethane caulk. After the caulk has set, a 4 to 12-in. wide, 15 to 20-mil pass of "Acrylic 211" coating shall be applied over the center of each caulk bead. A 4 to 12-in. wide application of "Acrylic 211 Fabric" is then embedded into the wet "Acrylic 211" coating.

**Base Coat:** — One application "Acrylic 211," applied at 1-gal/100-ft<sup>2</sup>

**Reinforcement (Optional):** — "Acrylic 211 Fabric," embedded into wet base coating.

**Surfacing:** — One or two applications "Acrylic 211," applied at 1-gal/100-ft<sup>2</sup>/application.
- 3. Deck: NC** **Incline: 2**

**Insulation:** — Johns Manville "ENRGY II," any thickness.

**Ply Sheet:** — One or more plies polyester ply sheets embedded into primer.

**Coating:** — "AWS Silicone 410S" or "AWS Silicone 412" series applied 2 to 3-gal/100-ft<sup>2</sup>.
- 4. Deck: NC** **Incline: 2**

**Insulation (Optional):** — Any UL Classified polyisocyanurate insulation, any thickness, mechanically fastened or adhered with any UL Classified insulation adhesive.

**Barrier Board (Optional):** — Minimum ¼-in. thick GP Gypsum Corp. "DensDeck® Roofboard", "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" mechanically fastened with all butt joints staggered a minimum of 6-in. from plywood roof deck butt joints.

**Base Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1½-gal./100-ft. <sup>2</sup> or "AWS 411" applied at a rate of 1-gal./100-ft.<sup>2</sup>

**Top Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1½-gal./100-ft. <sup>2</sup> or "AWS 411"

applied at a rate of 1-gal./100-ft.<sup>2</sup>

**Surfacing (Optional):** — No. 11 ceramic coated roof granules applied at 30-lbs/100-ft<sup>2</sup> into wet top coat.

**5. Deck:** C-15/32

**Incline:** 2

**Insulation (Optional):** — Any UL Classified polyisocyanurate insulation, any thickness, mechanically fastened or adhered with any UL Classified insulation adhesive.

**Barrier Board:** — Minimum ¼-in. thick GP Gypsum Corp. "DensDeck® Roofboard", "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" mechanically fastened with all butt joints staggered a minimum of 6-in. from plywood roof deck butt joints.

**Base Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1½-gal./100-ft.<sup>2</sup> or "AWS 411" applied at a rate of 1-gal./100-ft.<sup>2</sup>

**Top Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1½-gal./100-ft.<sup>2</sup> or "AWS 411" applied at a rate of 1-gal./100-ft.<sup>2</sup>

**Surfacing (Optional):** — No. 11 ceramic coated roof granules applied at 30-lbs/100-ft<sup>2</sup> into wet top coat.

#### SPRAY APPLIED FOAM AND COATING SYSTEMS

"AWS Silicone 412" series silicon roof coating may be used in lieu of "AWS Silicone 410S" series silicone roof coating in any applicable system.

BASF Polyurethane Foam Enterprises LLC "FE303" or "FE348" or "Premium 241" Series (may include have the suffix "R," "S," "F," or "W") are acceptable alternates to Coating & Foam Solutions "RT-2717" Series

Bayer Material Science, LLC "SC-200" or "SH-200-25/30" or "S245-25/30" or "Bayseal 2.5" "Bayseal 2.7" or "Bayseal 3.0" or "SW200-25/30" Series (may include the suffix "R," "S," "F" or "W") are acceptable alternates to Coating & Foam Solutions "RT-2717" Series

Burtin Polymer Laboratories, Inc. "BPL 1120" or "BPL 1445" Series (may include the suffix "R," "S," "F," or "W") are acceptable alternates to Coating & Foam Solutions "RT-2718" Series

#### Class A

1. **Deck:** NC

**Incline:** 1/2

**Foam:** — maximum 2-in. thick spray applied BASF Polyurethane Foam Enterprises LLC "Elastospray 81272" or "Elastospray 81275" or "FE348"

**Base Coat:** — "Acrylic 211" applied at 1 1/4 - 1 1/2-gal/100-ft<sup>2</sup>

**Top Coat:** — "Acrylic 211" applied at 1 1/4 - 1 1/2-gal/100-ft<sup>2</sup>

**Surfacing (optional):** — Broadcast application of No. 11 ceramic coated roofing granules applied at 35 - 40-lbs/100-ft<sup>2</sup>

2. **Deck:** NC

**Incline:** 1

**Foam:** — maximum 2-in. thick spray applied The Dow Chemical Co. "Styrofoam SPF RF 3070" or "Styrofoam SPF RF 3050"

**Base Coat:** — "Acrylic 211" applied at 11/4 - 11/2-gal/100-ft<sup>2</sup>

**Top Coat:** — "Acrylic 211" applied at 11/4 - 11/2-gal/100-ft<sup>2</sup>

**Surfacing (optional):** — Broadcast application of No. 11 ceramic coated roofing granules applied at 35 - 40-lbs/100-ft<sup>2</sup>

3. **Deck:** NC

**Incline:** 1/2

**Base Insulation:** — 4-in. Dow Chemical co. "Deckmate Plus (xps)" mechanically fastened

**Foam:** — 11/2-in. thick spray applied Dow Chemical Co. "Styrofoam SPF RF 3070" or "Styrofoam SPF RF 3050"

**Base Coat:** — "Acrylic 211" applied at 11/4 - 11/2-gal/100-ft<sup>2</sup>

**Top Coat:** — "Acrylic 211" applied at 11/4 - 11/2-gal/100-ft<sup>2</sup>

**Surfacing (optional):** — Broadcast application of No. 11 ceramic coated roofing granules applied at 35 - 40-lbs/100-ft<sup>2</sup>

4. **Deck:** NC

**Incline:** 3

**Foam:** — BASF Polyurethane Foam Enterprises LLC "FE 303" any thickness.

**Base Coat:** — "AWS Silicone 410S" or "AWS Silicone 412" series applied at 11/2-gal/100-ft<sup>2</sup>.

**Top Coat:** — "AWS Silicone 410S" or "AWS Silicone 412" series applied at 11/2-gal/100-ft<sup>2</sup>.

5. **Deck:** NC

**Incline:** 1

**Foam:** — Coating & Foam Solutions "RT-2716," 2.5 to 3.0-lb/ft<sup>3</sup>-lb/ft<sup>3</sup>, 11/2- to 2-in. thick.

**Surfacing:** — "AWS Silicone 410S" or "AWS Silicone 412" series applied at 21/4-gal/100-ft<sup>2</sup>.

6. **Deck:** NC

**Incline:** 3/4

**Foam:** — Coating & Foam Solutions "RT-2717," 2.5 to 3.0-lb/ft<sup>3</sup> -lb/ft<sup>3</sup>, 11/2- to 2-in. thick.

**Surfacing:** — "AWS Silicone 410S" or "AWS Silicone 412" series applied at 21/4-gal/100-ft<sup>2</sup>.

7. **Deck:** NC

**Incline:** 1

**Foam:** — Coating & Foam Solutions "RT-2718" any thickness.

**Base Coat:** — "AWS Silicone 410S" silicone roof coating applied at 11/2-gal/100-ft<sup>2</sup>.

**Top Coat:** — "AWS Silicone 410S" silicone roof coating applied at 11/2-gal/100-ft<sup>2</sup>.

8. **Deck:** NC

**Incline:** 3

**Foam:** — Coating & Foam Solutions "RT-2718" any thickness.

**Base Coat:** — "AWS Silicone 410S" silicone roof coating applied at 11/2-gal/100-ft<sup>2</sup>.

**Top Coat:** — "AWS Silicone 410S" silicone roof coating applied at 11/2-gal/100-ft<sup>2</sup>.

**Surfacing:** — Broadcast application of No. 11 ceramic coated roof granules applied at 30-lb/100-ft<sup>2</sup>.

9. **Deck:** NC

**Incline:** 1-1/2

**Foamed Plastic:** — Carlisle Roof Foam and Coatings "BPL 1445", or BASF Corp "FE348", "ELASTOSPRAY 81255, 81275, 81285, 81305 or 81325", or Premium Spray Products "Premiseal 250, 280, 285 or 300", any thickness.

**Base Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1 to 1-1/2 gal./100-ft<sup>2</sup>.

**Top Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1 to 1-1/2 gal./100-ft<sup>2</sup>.

**Surfacing (Optional):** — No. 11 Roofing granules applied at a rate of 35-lbs/100-ft<sup>2</sup>.

10. **Deck:** NC

**Incline:** 2-3/4

**Foamed Plastic:** — Everest Systems LLC "Evercell 24", "Evercell 27P", "Evercell 25", "Evercell 27", "Evercell 30" or "Evercell 30HA" or Carlisle Roof Foam and Coatings "Bayseal 2.5" or "Bayseal 2.7" or "Bayseal 3.0" any thickness.

**Base Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1-1/2 gal./100-ft.<sup>2</sup>.

**Top Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1-1/2 gal./100-ft.<sup>2</sup>.

11. **Deck:** NC

**Incline:** 1-1/2

**Foamed Plastic:** — Everest Systems LLC "Evercell 24", "Evercell 27P", "Evercell 25", "Evercell 27", "Evercell 30" or "Evercell 30HA" or Carlisle Roof Foam and Coatings "Bayseal 2.5" or "Bayseal 2.7" or "Bayseal 3.0" any thickness.

**Base Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 3-gal./100-ft.<sup>2</sup>.

**Top Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 3-gal./100-ft.<sup>2</sup>.

**Surfacing (Optional):** — Granules applied at a rate of 35-lbs/100-ft.<sup>2</sup>

12. **Deck:** NC

**Incline:** 2

**Foamed Plastic:** — Any thickness SES Foam Inc.'s "SES 2.4/3.3 Series Roofing Foam" spray applied

**Base Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1-1/2 gal./100-ft.<sup>2</sup>

**Surfacing:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1-1/2 gal./100-ft.<sup>2</sup>

**Surfacing (optional):** — Broadcast application of No. 11 ceramic coated granules applied at a rate of 30 to 50-lbs/100-ft.<sup>2</sup>.

13. **Deck:** NC

**Incline:** 4

**Foamed Plastic:** — Any thickness Everest Systems LLC "OPTICELL 2.5", "OPTICELL 2.7", "OPTICELL 3.0", "Eversol 2.5", "Eversol 2.7", "Eversol 3.0", "Fortisol 2.5", "Fortisol 2.7", or "Fortisol 3.0" (2.5 to 3.0-lbs./ft.<sup>3</sup>) spray applied foamed plastic

**Base Coat:** — "AWS 411" applied at a rate of 1-gal./100-ft.<sup>2</sup>

**Top Coat:** — "AWS 411" applied at a rate of 1-gal./100-ft.<sup>2</sup>

**Surfacing (optional):** — Broadcast application of No. 11 ceramic coated granules applied at a rate of 30 to 50-lbs./100-ft.<sup>2</sup>

14. **Deck:** NC

**Incline:** 3

**Foamed Plastic:** — Any thickness Everest Systems LLC "OPTICELL 2.5", "OPTICELL 2.7", "OPTICELL 3.0", "Eversol 2.5", "Eversol 2.7", "Eversol 3.0", "Fortisol 2.5", "Fortisol 2.7", or "Fortisol 3.0" (2.5 to 3.0-lbs./ft.<sup>3</sup>) or "EVERCELL 25", "EVERCELL 27", "EVERCELL 30" (2.5 to 3.0-lbs./ft.<sup>3</sup>) spray applied foamed plastic

**Base Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1-1/2 gal./100-ft.<sup>2</sup> or "AWS 411" applied at a rate of 1-gal./100-ft.<sup>2</sup>

**Top Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1-1/2 gal./100-ft.<sup>2</sup> or "AWS 411" applied at a rate of 1-gal./100-ft.<sup>2</sup>

**Surfacing (optional):** — Broadcast application of No. 11 ceramic coated granules applied at a rate of 30 to 50-lbs./100-ft.<sup>2</sup>

15. **Deck:** NC

**Incline:** 3-1/2

**Foamed Plastic:** — Any thickness Everest Systems LLC "OPTICELL 2.5", "OPTICELL 2.7", "OPTICELL 3.0", "Eversol 2.5", "Eversol 2.7", "Eversol 3.0", "Fortisol 2.5", "Fortisol 2.7", or "Fortisol 3.0" (2.5 to 3.0-lbs./ft.<sup>3</sup>) spray applied foamed plastic.

**Base Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1-1/2 gal./100-ft.<sup>2</sup>

**Top Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1-1/2 gal./100-ft.<sup>2</sup>

**Surfacing (optional):** — Broadcast application of No. 11 ceramic coated granules applied at a rate of 30 to 50-lbs/100-ft.<sup>2</sup>

**16. Deck:** NC

**Incline:** 2

**Foamed Plastic:** — Any thickness Everest Systems LLC "OPTICELL 2.5", "OPTICELL 2.7", "OPTICELL 3.0", "Eversol 2.5", "Eversol 2.7", "Eversol 3.0", "Fortisol 2.5", "Fortisol 2.7", or "Fortisol 3.0" (2.5 to 3.0-lbs./ft.<sup>3</sup>) or "EVERCELL 25", "EVERCELL 27", "EVERCELL 30" (2.5 to 3.0-lbs./ft.<sup>3</sup>) spray applied foamed plastic

**Base Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1-1/2 gal./100-ft.<sup>2</sup> or "AWS 411" applied at a rate of 1-gal./100-ft.<sup>2</sup>

**Top Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1-1/2 gal./100-ft.<sup>2</sup> or "AWS 411" applied at a rate of 1-gal./100-ft.<sup>2</sup>

**Surfacing (optional):** — No. 11 ceramic coated roof granules applied at a rate of 25 to 30-lbs./100-ft.<sup>2</sup> into wet top coat

**17. Deck:** NC

**Incline:** 1

**Foamed Plastic:** - 4 inch thick Everest Systems LLC "OPTICELL 2.7", "OPTICELL 3.0", "Eversol 2.7", "Eversol 3.0", "Fortisol 2.7", or "Fortisol 3.0" (2.5 to 3.0-lbs./ft.<sup>3</sup>) spray applied foamed plastic

**Base Coat:** - "AWS Polyurea 550" polyurea roof coating applied at 1.5 gal./100-ft.<sup>2</sup>

**Top Coat:** - "AWS Polyurea 550" polyurea roof coating applied at 1.5 gal./100-ft.<sup>2</sup>

**Surfacing:** - "AWS 411" applied at a rate of 1-gal./100-ft.<sup>2</sup>

**Surfacing:** - "AWS 411" applied at a rate of 1-gal./100-ft.<sup>2</sup>

## Class B

**1. Deck:** C-15/32

**Incline:** 1/2

**Foam:** — Coating & Foam Solutions "RT-2716" 1 1/2-in. minimum.

**Base Coat:** — "AWS Silicone 410S" or "AWS Silicone 412" series applied at 1 1/2-gal/100-ft.<sup>2</sup>.

**Top Coat:** — "AWS Silicone 410S" or "AWS Silicone 412" series applied at 1 1/2-gal/100-ft.<sup>2</sup>.

**Surfacing:** — No. 11 roofing granules embedded into wet coating applied at 30-lb/100-ft.<sup>2</sup>.

**2. Deck:** C-15/32

**Incline:** 1/4

**Foam:** — Coating & Foam Solutions "RT-2717," 2.5 to 3.0-lb/ft<sup>3</sup>, 2-in.

**Base Coat:** — "AWS Silicone 410S" or "AWS Silicone 412" series applied at 3/4 to 1-gal/100-ft.<sup>2</sup>.

**Top Coat:** — "AWS Silicone 410S" or "AWS Silicone 412" series applied at 3/4 to 1-gal/100-ft.<sup>2</sup>.

**Surfacing:** — No. 11 roofing granules embedded into wet coating applied at 25-lb/100-ft.<sup>2</sup>.

**3. Deck:** C-15/32

**Incline:** 1/4

**Foamed Plastic:** — Everest Systems LLC "Evercell 25", "Evercell 27", "Evercell 30" or "Evercell 30HA" or Carlisle Roof Foam and Coatings "Bayseal 2.5" or "Bayseal 2.7" or "Bayseal 3.0" any thickness.

**Base Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1-1/2 gal./100-ft.<sup>2</sup>  
**Top Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1-1/2 gal./100-ft.<sup>2</sup>  
**Surfacing:** — No. 11 roofing granules at a minimum rate of 35-lbs/100-ft.<sup>2</sup>

4. **Deck:** C-15/32

**Incline:** 1/2

**Foamed Plastic:** — Minimum 1-1/2 in. thick Everest Systems LLC "OPTICELL 2.7" or "OPTICELL 3.0", "Eversol 2.7", "Eversol 3.0", "Fortisol 2.7", or "Fortisol 3.0" (2.7 to 3.0-lbs./ft.<sup>3</sup>)  
**Base Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1-1/2 gal./100-ft.<sup>2</sup> or "AWS 411" applied at a rate of 1-gal./100-ft.<sup>2</sup>  
**Top Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1-1/2 gal./100-ft.<sup>2</sup> or "AWS 411" applied at a rate of 1-gal./100-ft.<sup>2</sup>  
**Surfacing:** — No. 11 ceramic coated roof granules applied at a rate of 35-lbs./100-ft.<sup>2</sup> into wet top coat.

## MAINTENANCE AND REPAIR SYSTEMS

### Class A, B or C

1. **Deck:** C-15/32

**Incline:** 1-1/2

**Existing Roof System:** — Class A, B, or C insulated or uninsulated smooth surface BUR to maintain existing rating.

**Joint Treatment (Optional):** — All mechanical fasteners and any vertical seams with a gap in excess of 1/16-in. shall be treated with an acrylic or single package urethane caulk. After the caulk has set, a 4 to 12-in. wide, 15 to 20-mil pass of "Acrylic 211" shall be applied over the center of each caulk bead. A 4 to 12-in. wide application of "Acrylic 211 Fabric" is then embedded into the wet "Acrylic 211".

**Base Coat:** — One application "Acrylic 211," applied at 1-gal/100-ft<sup>2</sup>.

**Reinforcement (Optional):** — One ply "Acrylic 211 Fabric," embedded into wet base coating.

**Surfacing:** — One or two applications "Acrylic 211," applied at 1-gal/100-ft<sup>2</sup>/application.

2. **Deck:** NC

**Incline:** 2-1/2

**Existing Roof System:** — Class A, B, or C insulated or uninsulated smooth surface BUR (excludes modified bitumen) to maintain existing rating.

**Joint Treatment (Optional):** — All mechanical fasteners and any vertical seams with a gap in excess of 1/16-in. shall be treated with an acrylic or single package urethane caulk. After the caulk has set, a 4 to 12-in. wide, 15 to 20-mil pass of "Acrylic 211" coating shall be applied over the center of each caulk bead. A 4 to 12-in. wide application of "Acrylic 211 Fabric" is then embedded into the wet "Acrylic 211" coating.

**Base Coat:** — One application "Acrylic 211," applied at 1-gal/100-ft<sup>2</sup>.

**Intermediate Coat:** — One application "Acrylic 211," applied at 1-gal/100-ft<sup>2</sup> followed by one ply of "Acrylic 211 Fabric," embedded into the wet "Acrylic 211" coating.

**Surfacing:** — Two applications "Acrylic 211," applied at 1-gal/100-ft<sup>2</sup>/application.

3. **Deck:** NC

**Incline:** 1/2

**Existing Roof System:** — Class A, B or C insulated or uninsulated smooth surface or mineral surfaced BUR or APP or SBS modified bitumen membrane to maintain existing Class A, B or C Classification covered with:

**Base Coat:** — "Acrylic 211" applied at 11/4 - 11/2-gal/100-ft<sup>2</sup>

**Top Coat:** — "Acrylic 211" applied at 11/4 - 11/2-gal/100-ft<sup>2</sup>

**Surfacing (optional):** — Broadcast application of No. 11 ceramic coated roofing granules applied at 35 - 40-lbs/100-ft<sup>2</sup>

4. **Deck:** NC

**Incline:** 2

**Existing Roof System:** — Class A, B or C insulated or uninsulated mechanically fastened or fully adhered EPDM to maintain existing Class A, B or C Classification covered with:

**Base Coat:** — "Acrylic 211" applied at 11/4 - 11/2-gal/100-ft<sup>2</sup>

**Top Coat:** — "Acrylic 211" applied at 11/4 - 11/2-gal/100-ft<sup>2</sup>

**Surfacing (optional):** — Broadcast application of No. 11 ceramic coated roofing granules applied at 35 - 40-lbs/100-ft<sup>2</sup>

5. **Deck:** C-15/32

**Incline:** See Note 1

**Existing Roof System:** — Any UL Classified existing single-ply membrane system, to retain existing Classification, covered with:

**Surfacing:** — "AWS Silicone 410S" or "AWS Silicone 412" series applied at 11/2-gal/100-ft<sup>2</sup>

Note 1: Classification (A, B or C) and maximum incline will be the same as that of the Classified Roofing System (TGFU).

6. **Deck:** C-15/32

**Incline:** 1/2

**Existing Roof System:** — Any UL Classified existing single-ply membrane system, to retain existing Classification, covered with:

**Surfacing:** — "AWS Silicone 410S" or "AWS Silicone 412" series applied at 11/2-gal/100-ft<sup>2</sup>.

7. **Deck:** NC

**Incline:** 2

**Existing Roof Covering System:** — Any UL Classified existing base sheet and cap sheet built-up roofing system to retain existing Classification, covered with:

**Base Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1 to 1-1/2 gal./100-ft.<sup>2</sup> or "AWS 411" applied at a rate of 1-gal./100-ft.<sup>2</sup>

**Top Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1 to 1-1/2 gal./100-ft.<sup>2</sup> or "AWS 411" applied at a rate of 1-gal./100-ft.<sup>2</sup>

8. **Deck:** C-15/32

**Incline:** See Note 1

**Existing Roof System:** — Any Class A, B or C uncoated, insulated or uninsulated, modified bitumen membrane, mechanically fastened or fully adhered or Type G3 mineral surfaced cap BUR to retain existing Classification.

**Surfacing:** — "AWS 411" applied at 1-1/2 gal./100-ft<sup>2</sup>.

**Surfacing (optional):** — No. 11 ceramic coated roof granules, applied at 30-lbs/100-ft<sup>2</sup> into wet top coat.

Note 1: Classification (A, B or C) and maximum incline will be the same as that of the Classified Roofing System (TGFU).

9. **Deck:** NC

**Incline:** 2

**Existing Roof Covering System:** — Any UL Classified existing base sheet and cap sheet built-up roofing system to retain existing Classification, covered with:

**Foamed Plastic:** — Minimum 1-1/2 in. thick Everest Systems LLC "OPTICELL 2.7", "OPTICELL 3.0", "Eversol 2.7", "Eversol 3.0", "Fortisol 2.7", or "Fortisol 3.0" (2.7 to 3.0-lbs./ft.<sup>3</sup>) or "EVERCELL 27", "EVERCELL 30" (2.7 to 3.0-lbs./ft.<sup>3</sup>) spray applied foamed plastic.

**Base Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1 to 1-1/2 gal./100-ft.<sup>2</sup> or "AWS 411" applied at a rate of 1-gal./100-ft.<sup>2</sup>

**Top Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1 to 1-1/2 gal./100-ft.<sup>2</sup> or "AWS 411" applied at a rate of 1-gal./100-ft.<sup>2</sup>

**Surfacing:** — No. 11 ceramic coated roof granules applied at a rate of 35-lbs./100-ft.<sup>2</sup> into wet top coat.

10. **Deck:** C-15/32

**Incline:** 1/2

**Existing Roof System:** — Class A, B, or C insulated or uninsulated modified bitumen membrane roof covering system or mineral surfaced BUR to maintain existing Class A, B, or C Classification surfaced with

**Base Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1 1/2-gal./100-ft.<sup>2</sup> or "AWS 411" applied at a rate of 1-gal./100-ft.

**Reinforcement:** — **(Optional):** Polyester fabric (maximum 3-oz./yd.<sup>2</sup>) embedded into wet base coat

**Top Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1 1/2-gal./100-ft.<sup>2</sup> or "AWS 411" applied at a rate of 1-gal./100-ft.

**Surfacing (optional):** — Broadcast application of No. 11 ceramic coated roofing granules applied at 35 to 40-lbs/100-ft.<sup>2</sup>

11. **Deck:** C-15/32

**Incline:** 1

**Existing Roof System:** — Class A, B, or C insulated or uninsulated, mechanically fastened or fully adhered PVC/TPA single ply membrane roof covering system to maintain existing Class A, B or C Classification surfaced with

**Base Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1 1/2-gal./100-ft.<sup>2</sup> or "AWS 411" applied at a rate of 1-gal./100-ft.

**Reinforcement:** — Polyester fabric (maximum 3-oz./yd.<sup>2</sup>) embedded into wet base coat

**Top Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1 1/2-gal./100-ft.<sup>2</sup> or "AWS 411" applied at a rate of 1-gal./100-ft.

**Surfacing (optional):** — Broadcast application of No. 11 ceramic coated roofing granules applied at 35 to 40-lbs/100-ft.<sup>2</sup>

12. **Deck:** C-15/32

**Incline:** 1/2

**Existing Roof System:** — Class A, B, or C insulated or uninsulated fully adhered or mechanically fastened EPDM single ply membrane roof covering system to maintain existing Class A, B or C Classification surfaced with:

**Base Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1 1/2-gal./100-ft.<sup>2</sup> or "AWS 411" applied at a rate of 1-gal./100-ft.

**Reinforcement (Optional):** — Polyester fabric (maximum 3-oz./yd.<sup>2</sup>) embedded into wet base coat over the lap seam, maximum 3 inches wide



**Top Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1½-gal./100-ft.2 or "AWS 411" applied at a rate of 1-gal./100-ft.

**Surfacing (optional):** — Broadcast application of No. 11 ceramic coated roofing granules applied at 35 to 40-lbs/100-ft.<sup>2</sup>

13. **Deck:** C-15/32

**Incline:** 1-½

**Existing Roof System:** — Class A, B, or C insulated or uninsulated fully adhered or mechanically fastened TPO single ply membrane roof covering system to maintain existing Class A, B or C Classification surfaced with

**Base Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1½-gal./100-ft.2 or "AWS 411" applied at a rate of 1-gal./100-ft.

**Reinforcement (Optional):** — Polyester fabric (maximum 3-oz./yd.<sup>2</sup>) embedded into wet base coat over the lap weld, maximum 3 inches wide

**Top Coat:** — "AWS 211" or "AWS 211 HT" applied at a rate of 1½-gal./100-ft.2 or "AWS 411" applied at a rate of 1-gal./100-ft.

**Surfacing (optional):** — Broadcast application of No. 11 ceramic coated roofing granules applied at 35 to 40-lbs/100-ft.<sup>2</sup>

14. **Deck:** C-15/32

**Incline:** 2-¾

**Existing Roof System:** — Any UL Classified spray applied foamed plastic insulation system surfaced with any UL Classified cementitious coating to maintain existing Class A, B or C rating

**Primer:** — Blue Primer (Not UL Classified) applied at 1 gal/100-ft.

**Top Coat:** — One or two applications of "AWS 211" or "AWS 211 HT" or "AWS 411" applied at a total rate of 3-gal./100-ft.<sup>2</sup>

## SINGLE PLY MEMBRANE SYSTEMS

### Class A

1. **Deck:** NC

**Incline:** 3

**Insulation:** — Dyplast Products LLC "Pyrox White Line," glass fiber, perlite or wood fiber, any thickness.

**Membrane:** — Any UL Classified PVC, mechanically fastened.

**Surfacing:** — "AWS Silicone 410S" series applied 1½-gal/100-ft<sup>2</sup>.

2. **Deck:** NC

**Incline:** 1/2

**Insulation:** — Dyplast Products LLC "Pyrox White Line," glass fiber, perlite or wood fiber, any thickness.

**Membrane:** — Any UL Classified hypalon, mechanically fastened.

**Surfacing:** — "AWS Silicone 410S" or "AWS Silicone 412" series applied at 1½-gal/100-ft<sup>2</sup>.

3. **Deck:** NC

**Incline:** 2-1/2

**Insulation:** — Dow "Hy-Tec" any thickness.

**Membrane:** — Any UL Classified PVC, mechanically fastened.

**Surfacing:** — "AWS Silicone 410S" series applied at 1½-gal/100-ft<sup>2</sup>.

4. **Deck:** NC

**Incline:** 1/4

**Insulation:** — Dow "Hy-Tec" any thickness.

**Membrane:** — Any UL Classified hypalon, mechanically fastened.

**Surfacing:** — "AWS Silicone 410S" or "AWS Silicone 412" series applied at 1 1/2-gal/100-ft<sup>2</sup>.

**Last Updated on 2024-07-25**