

TGFU.R25433 - ROOFING SYSTEMS

Roofing Systems

See General Information for Roofing Systems

AMERICAN WEATHERSTAR

3100 Lees Ln
MOBILE, AL 36693 USA

R25433

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-ft²/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-ft²

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

Surfacing: — One or two applications "Acrylic 211," applied at 1-gal/100-ft²/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-ft².

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 11/4 - 11/2-gal/100-ft²

Top Coat: — "Acrylic 211" applied at 11/4 - 11/2-gal/100-ft²

Surfacing (optional): — Broadcast application of No. 11 ceramic coated roofing granules applied at 35 - 40-lbs/100-ft²

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-ft²

Top Coat: — "Acrylic 211" applied at 11/4 - 11/2-gal/100-ft²

Surfacing (optional): — Broadcast application of No. 11 ceramic coated roofing granules applied at 35 - 40-lbs/100-ft²

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-ft²

Top Coat: — "Acrylic 211" applied at 11/4 - 11/2-gal/100-ft²

Surfacing (optional): — Broadcast application of No. 11 ceramic coated roofing granules applied at 35 - 40-lbs/100-ft²

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-ft².

Top Coat: — "AWS Silicone 410S" or "AWS Silicone 412" series applied at 11/2-gal/100-ft².

5. **Deck:** NC

Incline: 1

Foam: — Coating& Foam Solutions "RT-2716," 2.5 to 3.0-lb/ft³-lb/ft³, 11/2- to 2-in. thick.

Surfacing: — "AWS Silicone 410S" or "AWS Silicone 412" series applied at 21/4-gal/100-ft².

6. **Deck:** NC

Incline: 3/4

Foam: — Coating& Foam Solutions "RT-2717," 2.5 to 3.0-lb/ft³ -lb/ft³, 11/2- to 2-in. thick.

Surfacing: — "AWS Silicone 410S" or "AWS Silicone 412" series applied at 21/4-gal/100-ft².

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-ft².

Top Coat: — "AWS Silicone 410S" silicone roof coating applied at 11/2-gal/100-ft².

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-ft².

Top Coat: — "AWS Silicone 410S" silicone roof coating applied at 11/2-gal/100-ft².

Surfacing: — Broadcast application of No. 11 ceramic coated roof granules applied at 30-lb/100-ft².

Class B

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

Incline: 1/2

Foam: — Coating& Foam Solutions "RT-2716" 11/2-in. minimum.

Base Coat: — "AWS Silicone 410S" or "AWS Silicone 412" series applied at 1 1/2-gal/100-ft².
Top Coat: — "AWS Silicone 410S" or "AWS Silicone 412" series applied at 1 1/2-gal/100-ft².
Surfacing: — No. 11 roofing granules embedded into wet coating applied at 30-lb/100-ft².

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

Incline: 1/4

Foam: — Coating& Foam Solutions "RT-2717," 2.5 to 3.0-lb/ft³, 2-in.

Base Coat: — "AWS Silicone 410S" or "AWS Silicone 412" series applied at 3/4 to 1-gal/100-ft².

Top Coat: — "AWS Silicone 410S" or "AWS Silicone 412" series applied at 3/4 to 1-gal/100-ft².

Surfacing: — No. 11 roofing granules embedded into wet coating applied at 25-lb/100-ft².

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-ft².

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

Surfacing: — One or two applications "Acrylic 211," applied at 1-gal/100-ft²/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-ft².

Intermediate Coat: — One application "Acrylic 211," applied at 1-gal/100-ft² 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-ft²/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 1 1/4 - 1 1/2-gal/100-ft²

Top Coat: — "Acrylic 211" applied at 1 1/4 - 1 1/2-gal/100-ft²

Surfacing (optional): — Broadcast application of No. 11 ceramic coated roofing granules applied at 35 - 40-lbs/100-ft²

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 1 1/4 - 1 1/2-gal/100-ft²

Top Coat: — "Acrylic 211" applied at 1 1/4 - 1 1/2-gal/100-ft²

Surfacing (optional): — Broadcast application of No. 11 ceramic coated roofing granules applied at 35 - 40-lbs/100-ft²

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-ft²

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-ft².

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 11/2-gal/100-ft².

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 11/2-gal/100-ft².

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 11/2-gal/100-ft².

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 11/2-gal/100-ft².

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