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Roofing Systems

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TROPICAL ROOFING PRODUCTS

R37974

1818 SW 31st Ave
Hallandale, FL 33009 USA

FLUID APPLIED COATING SYSTEMS

Where the coating is applied directly to the deck, sealing compound ("Silicone Construction Sealant") must be used to reinforce the membrane at all joints of stress, to bridge joints or large cracks and at all finishing locations.

Class A

1. **Deck:** NC

Incline: 1/2

Surfacing: — "#904P Eterna-Sil Premium Original Formula Silicone Roof Coating" applied at 11/2-gal/100-ft².

Surfacing (Optional): — No. 11 ceramic coated roof granules applied at 30-lb/100-ft² into wet top coat.

2. **Deck:** NC (metal, concrete)

Incline: Unlimited

Surfacing: — "#914P Eterna-Sil Premium 100% Silicone Roof Coating" applied at 11/2-gal/100-ft².

Surfacing: — "#904P Eterna-Sil Premium Original Formula Silicone Roof Coating" applied at 11/2-gal/100-ft².

Surfacing (Optional): — No. 11 ceramic coated roof granules applied at 30-lb/100-ft² into wet top coat.

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

Incline: Unlimited

Insulation: — Any UL Certified insulation, any thickness.

Barrier Board: — Minimum 1/2-in. thick gypsum board or minimum 1/4-in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard", "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" mechanically fastened with all joints staggered 6-in. from plywood deck butt joints.

Surfacing: — "#914P Eterna-Sil Premium 100% Silicone Roof Coating" applied at 11/2-gal/100-ft².

Surfacing: — "#904P Eterna-Sil Premium Original Formula Silicone Roof Coating", applied at 11/2-gal/100-ft².

Surfacing (Optional): — No. 11 ceramic coated roof granules applied at 30-lb/100-ft² into wet top coat.

4. **Deck:** NC

Incline: Unlimited

Insulation: — Any UL Certified insulation, any thickness.

Barrier Board: — Minimum 1/2-in. thick gypsum board or minimum 1/4-in. thick Georgia-Pacific Gypsum LLC "DensDeck® Roofboard", "DensDeck Prime® Roofboard" or "DensDeck DuraGuard™ Roofboard" mechanically fastened with all joints staggered 6-in. from plywood deck butt joints.

Surfacing: — "#914P Eterna-Sil Premium 100% Silicone Roof Coating", applied at 11/2-gal/100-ft².

Surfacing: — "#904P Eterna-Sil Premium Original Formula Silicone Roof Coating", applied at 11/2-gal/100-ft².

Surfacing (Optional): — No. 11 ceramic coated roof granules applied at 30-lb/100-ft² into wet top coat.

5. **Deck:** NC

Incline: 2

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

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

Coating: — "Tropical #904 Silicone Roof Coating Solvent Base" or "Tropical #914 High Solids Silicone Roof Coating" applied 2 to 3-gal/100-ft².

6. **Deck:** NC (metal, concrete)

Incline: Unlimited

Primer (Optional): — "9900 Primer" (not UL Classified), applied at a rate of 1 gal per 600-ft² to 800-ft².

Surfacing: — "Tropical #923 Eterna-Sil Silicone" or "Tropical #924 Eterna-Sil Silicone", applied at a max rate of 4.0 gal/100-ft².

7. **Deck:** NC (metal, concrete)

Incline: 3/4

Primer: — "Tropical #911B" or "Tropical #921B", applied in multiple coats at a total rate of 2.5 gal/100-ft², with "Tropical #932 Tietex® T272 Polyester" (not UL Classified) rolled into the first coating application.

Surfacing: — "Tropical #911 Eternalastic White Elastomeric Roof Coating" or "Tropical #921 Reflex White Elastomeric Roof Coating", applied at a max rate of 5.5 gal/100-ft².

Class B

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

Incline: 2

Surfacing: — "#904P Eterna-Sil Premium Original Formula Silicone Roof Coating", applied at 11/2-gal/100-ft².

Surfacing (Optional): — No. 11 ceramic coated roof granules applied at 30-lb/100-ft² into wet top coat.

Class C

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

Incline: No limitation

Surfacing Coat: — "#904P Eterna-Sil Premium Original Formula Silicone Roof Coating", applied at 11/2-gal/100-ft².

Surfacing (Optional): — No. 11 ceramic coated roof granules applied at 30-lb/100-ft² into wet top coat.

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 Certified PVC, mechanically fastened.

Surfacing: — "Tropical #904 Silicone Roof Coating Solvent Base" 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 Certified hypalon, mechanically fastened.

Surfacing: — "Tropical #904 Silicone Roof Coating Solvent Base" or "Tropical #914 High Solids Silicone Roof Coating" applied at 11/2-gal/100-ft².

SPRAY APPLIED FOAM AND COATING SYSTEMS

"Tropical #914 High Solids Silicone Roof Coating" may be used in lieu of "Tropical #904 Silicone Roof Coating Solvent Base" series silicone roof coating in any applicable system.

Unless otherwise indicated, the deck surface may be primed with UL Certified asphalt emulsion.

Class A

1. **Deck:** NC

Incline: 3

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

Base Coat: — "Tropical #904 Silicone Roof Coating Solvent Base" or "Tropical #914 High Solids Silicone Roof Coating" applied at 11/2-gal/100-ft².

Top Coat: — "Tropical #904 Silicone Roof Coating Solvent Base" or "Tropical #914 High Solids Silicone Roof Coating" applied at 11/2-gal/100-ft².

2. **Deck:** NC

Incline: 1

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

Surfacing: — "Tropical #904 Silicone Roof Coating Solvent Base" or "Tropical #914 High Solids Silicone Roof Coating" applied at 21/4-gal/100-ft².

3. **Deck:** NC

Incline: 3/4

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

Surfacing: — "Tropical #904 Silicone Roof Coating Solvent Base" or "Tropical #914 High Solids Silicone Roof Coating" applied at 21/4-gal/100-ft².

4. **Deck:** NC

Incline: 1

Foam: — "RT-2718" any thickness.

Base Coat: — "Tropical #904 Silicone Roof Coating Solvent Base" applied at 11/2-gal/100-ft².

Top Coat: — "Tropical #904 Silicone Roof Coating Solvent Base" applied at 11/2-gal/100-ft².

5. **Deck:** NC

Incline: 3

Foam: — "RT-2718" any thickness.

Base Coat: — "Tropical #904 Silicone Roof Coating Solvent Base" or applied at 11/2-gal/100-ft².

Top Coat: — "Tropical #904 Silicone Roof Coating Solvent Base" or applied at 11/2-gal/100-ft².
Surfacing: — Broadcast application of No. 11 ceramic coated roof granules applied at 30-lb/100-ft².

6. **Deck:** NC

Incline: Unlimited

Foam: — Premium Spray Products "Premiseal 250, 280 or 300", any thickness.
Base Coat: — "#914P Eterna-Sil Premium 100% Silicone Roof Coating", applied at 1-gal/100-ft².
Top Coat: — "#914P Eterna-Sil Premium 100% Silicone Roof Coating", applied at 1-gal/100-ft².
Surfacing (Optional): — No. 11 ceramic coated roof granules applied at 30-lb/100-ft² into wet top coat.

Class B

Any of the following Class B systems may be considered as Class A combustible roof deck assemblies when a minimum of 400-lbs/100-ft² of gravel is applied as a surfacing and gravel is maintained.

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

Incline: 1/2

Foam: — "RT-2716", 1 1/2-in. minimum.
Base Coat: — "Tropical #904 Silicone Roof Coating Solvent Base" or "Tropical #914 High Solids Silicone Roof Coating" applied at 1 1/2-gal/100-ft².
Top Coat: — "Tropical #904 Silicone Roof Coating Solvent Base" or "Tropical #914 High Solids Silicone Roof Coating" 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: — "RT-2717", 2.5 to 3.0-lb/ft³, 2-in.
Base Coat: — "Tropical #904 Silicone Roof Coating Solvent Base" or "Tropical #914 High Solids Silicone Roof Coating" applied at 3/4 to 1-gal/100-ft².
Top Coat: — "Tropical #904 Silicone Roof Coating Solvent Base" or "Tropical #914 High Solids Silicone Roof Coating" applied at 3/4 to 1-gal/100-ft².
Surfacing: — No. 11 roofing granules embedded into wet coating applied at 25-lb/100-ft².

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

Incline: 1/2

Foam: — "RT-2716", 2.5 to 3.2-lb/ft³, 1 1/2-in. minimum.
Base Coat: — Tropical #904 Silicone Roof Coating Solvent Base or "Tropical #914 High Solids Silicone Roof Coating" applied at 1 1/2-gal/100-ft².
Top Coat: — "Tropical #904 Silicone Roof Coating Solvent Base" or "Tropical #914 High Solids Silicone Roof Coating" applied at 1 1/2-gal/100-ft².
Surfacing: — No. 11 roofing granules embedded into wet coating applied at 30-lbs/100-ft².

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

Incline: 1/2

Insulation: — Minimum 1-in. thick "RT-2718" (2 1/2 to 3.03/4-lb/ft³) spray applied foamed plastic.
Base Coat: — Tropical #904 Silicone Roof Coating Solvent Base or "Tropical #914 High Solids Silicone Roof Coating" applied at 1 1/2-gal/100-ft².
Top Coat: — Tropical #904 Silicone Roof Coating Solvent Base or "Tropical #914 High Solids Silicone Roof Coating" applied at 1 1/2-gal/100-ft².
Surfacing: — Broadcast application of No. 11 ceramic coated granules applied at a rate of 30 to 50-lbs/100-ft².

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

Incline: 1/2

Foam: — Premium Spray Products "Premiseal 250, 280 or 300", 1-in thick minimum.
Base Coat: — "#914P Eterna-Sil Premium 100% Silicone Roof Coating", applied at 1-gal/100-ft².
Top Coat: — "#914P Eterna-Sil Premium 100% Silicone Roof Coating", applied at 1-gal/100-ft².
Surfacing (Optional): — No. 11 ceramic coated roof granules applied at 30-lb/100-ft² into wet top coat.

MAINTENANCE AND REPAIR SYSTEMS

Class A, B or C

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

Incline: See Note 1

Existing Roof System: — Any UL Certified existing single-ply membrane system, to retain existing Certification, covered with:
Surfacing: — "Tropical #904 Silicone Roof Coating Solvent Base" or "Tropical #914 High Solids Silicone Roof Coating" applied at 1 1/2-gal/100-ft².

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

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

Incline: 1/2

Existing Roof System: — Any UL Certified existing single-ply membrane system, to retain existing Certification, covered with:
Surfacing: — "Tropical #904 Silicone Roof Coating Solvent Base" or "Tropical #914 High Solids Silicone Roof Coating" applied at 1 1/2-gal/100-ft².

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

Incline: See Note 1

Existing Roof System: — Any Class A, B or C UL Certified EPDM, TPO, Hypalon, PVC, TPA, or CPE single ply membrane system, mechanically fastened or fully adhered, non-insulated or insulated, to retain existing Certification.

Surfacing: — "#914P Eterna-Sil Premium 100% Silicone Roof Coating", applied at 11/2-gal/100-ft².

Surfacing (Optional): — No. 11 ceramic coated roof granules applied at 30-lb/100-ft² into wet top coat.

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

4. **Deck:** NC

Incline: See Note 1

Existing Roof System: — Any Class A, B or C UL Certified EPDM, TPO, Hypalon, PVC, TPA, or CPE single ply membrane system, mechanically fastened or fully adhered, non-insulated or insulated, to retain existing Certification.

Surfacing: — "#914P Eterna-Sil Premium 100% Silicone Roof Coating", applied at 11/2-gal/100-ft².

Surfacing (Optional): — No. 11 ceramic coated roof granules applied at 30-lb/100-ft² into wet top coat.

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

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

Incline: Unlimited

Existing Roof System: — Class A, B or C metal roofing system or concrete roofing system, covered with:

Surfacing: — "#914P Eterna-Sil Premium 100% Silicone Roof Coating", applied at 11/2-gal/100-ft².

Surfacing (Optional): — No. 11 ceramic coated roof granules applied at 30-lb/100-ft² into wet top coat.

6. **Deck:** NC

Incline: Unlimited

Existing Roof System: — Class A, B or C metal roofing system or concrete roofing system, covered with:

Surfacing: — "#914P Eterna-Sil Premium 100% Silicone Roof Coating", applied at 11/2-gal/100-ft².

Surfacing (Optional): — No. 11 ceramic coated roof granules applied at 30-lb/100-ft² into wet top coat.

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

Incline: Unlimited

Existing Roof System: — Any UL Certified, any thickness or combination, covered with metal, cement or minimum 1/4-in. thick Georgia-Pacific Gypsum Corp. "DensDeck® Roofboard" or "DensDeck Prime® Roofboard" or "DensDeck Prime 2™ Roofboard" or "DensDeck DuraGuard® Roofboard" or Certainteed Gypsum Inc. "GlasRoc" or United States Gypsum Corp. "SECUROCK® Glass-Mat Roof Board (Type SGMRX)".

Surfacing: — "#914P Eterna-Sil Premium 100% Silicone Roof Coating", applied at 11/2-gal/100-ft².

Surfacing (Optional): — No. 11 ceramic coated roof granules applied at 30-lb/100-ft² into wet top coat.

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

Incline: 1/2

Existing Roof System: — Class A, B or C insulated or noninsulated BUR cap sheet system to retain the existing Certification covered with:

Surfacing: — "Tropical #911 Eternalastic White Elastomeric Roof Coating" or "Tropical #921 Reflex White Elastomeric Roof Coating", at 3 to 4-gal/100-ft².

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

Incline: 1/2

Existing Roof System: — Class A, B or C insulated or noninsulated BUR cap sheet system to retain the existing Certification covered with:

Surfacing: — "Tropical #360 Non-Fibered Asphalt Emulsion", at 6 to 12-gal/100-ft² with one or two layers of polyester fabric (2.75-lbs/100-ft² maximum), embedded in the emulsion.

Surfacing: — "Tropical #921 Reflex White Elastomeric Roof Coating" or "Tropical #911 Eternalastic White Elastomeric Roof Coating", at 3 to 5-gal/100-ft².

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

Incline: See Note 1

Existing Roof System: — Class A, B or C modified bitumen membrane roofing system, insulated or uninsulated, to maintain existing Class A, B or C Classification when covered with:

Primer: — "996 Eterna-Sil Premium Bleed Blocker", applied at a rate of 1.0 - 1.5 gal/100-ft².

Surfacing: — "Tropical #923 Eterna-Sil Silicone" or "Tropical #924 Eterna-Sil Silicone", applied at a rate of 1.5 - 4.0 gal/100-ft².

Note 1: Classification (A, B or C) will be the same as that of the Existing Classified Roofing System. Incline cannot exceed 1/2.

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

Incline: See Note 1

Existing Roof System: — Class A, B or C Type G3 mineral surfaced cap BUR system, insulated or uninsulated, to maintain existing Class A, B or C Classification when covered with:

Primer: — "996 Eterna-Sil Premium Bleed Blocker", applied at a rate of 1.0 - 1.5 gal/100-ft².

Surfacing: — "Tropical #923 Eterna-Sil Silicone" or "Tropical #924 Eterna-Sil Silicone", applied at a rate of 1.5 - 4.0 gal/100-ft².

Note 1: Classification (A, B or C) will be the same as that of the Existing Classified Roofing System. Incline cannot exceed 1/2.

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

Incline: See Note 1

Existing Roof System: — Class A, B or C TPO single ply membrane system, insulated or uninsulated, to maintain existing Class A, B or C Classification when covered with:

Primer (Optional): — "9900 Primer" (not UL Classified), applied at a rate of 1 gal per 600-ft² to 800-ft².

Surfacing: — "Tropical #923 Eterna-Sil Silicone" or "Tropical #924 Eterna-Sil Silicone", applied at a rate of 1.5 - 4.0 gal/100-ft².

Note 1: Classification (A, B or C) will be the same as that of the Existing Classified Roofing System. Incline cannot exceed 3/4.

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

Incline: See Note 1

Existing Roof System: — Class A, B or C PVC single ply membrane system, insulated or uninsulated, to maintain existing Class A, B or C Classification when covered with:

Primer (Optional): — "9900 Primer" (not UL Classified), applied at a rate of 1 gal per 600-ft² to 800-ft².

Surfacing: — "Tropical #923 Eterna-Sil Silicone" or "Tropical #924 Eterna-Sil Silicone", applied at a rate of 4.0 gal/100-ft².

Note 1: Classification (A, B or C) will be the same as that of the Existing Classified Roofing System. No incline limitation.

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

Incline: See Note 1

Existing Roof System: — Class A, B or C PVC single ply membrane system, insulated or uninsulated, to maintain existing Class A, B or C Classification when covered with:

Primer (Optional): — "9900 Primer" (not UL Classified), applied at a rate of 1 gal per 600-ft² to 800-ft².

Surfacing: — "Tropical #923 Eterna-Sil Silicone" or "Tropical #924 Eterna-Sil Silicone", applied at a rate of 1.5 - 4.0 gal/100-ft².

Note 1: Classification (A, B or C) will be the same as that of the Existing Classified Roofing System. Incline cannot exceed 1/2.

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

Incline: See Note 1

Existing Roof System: — Class A, B or C EPDM single ply membrane system, insulated or uninsulated, to maintain existing Class A, B or C Classification when covered with:

Primer (Optional): — "9900 Primer" (not UL Classified), applied at a rate of 1 gal per 600-ft² to 800-ft².

Surfacing: — "Tropical #924 Silicone", applied at a rate of 1.5 - 4.0 gal/100-ft².

Note 1: Classification (A, B or C) will be the same as that of the Existing Classified Roofing System. Incline cannot exceed 1/2.

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

Incline: See Note 1

Existing Roof System: — Class A, B or C modified bitumen membrane roofing system, insulated or uninsulated, to maintain existing Class A, B or C Classification when covered with:

Primer: — "Tropical #911B" or "Tropical #921B", applied in multiple coats at a total rate of 2.5 gal/100-ft², with "Tropical #932 Tietex® T272 Polyester" (not UL Classified) rolled into the first coating application.

Surfacing: — "Tropical #911 Eternalastic White Elastomeric Roof Coating" or "Tropical #921 Reflex White Elastomeric Roof Coating", applied at a rate of 4.0 - 5.5 gal/100-ft².

Note 1: Classification (A, B or C) will be the same as that of the Existing Classified Roofing System. Incline cannot exceed 1/2.

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

Incline: See Note 1

Existing Roof System: — Class A, B or C Type G3 mineral surfaced cap BUR system, insulated or uninsulated, to maintain existing Class A, B or C Classification when covered with:

Primer: — "Tropical #911B" or "Tropical #921B", applied in multiple coats at a total rate of 2.5 gal/100-ft², with "Tropical #932 Tietex® T272 Polyester" (not UL Classified) rolled into the first coating application.

Surfacing: — "Tropical #911 Eternalastic White Elastomeric Roof Coating" or "Tropical #921 Reflex White Elastomeric Roof Coating", applied at a rate of 1.5 - 5.5 gal/100-ft².

Note 1: Classification (A, B or C) will be the same as that of the Existing Classified Roofing System. Incline cannot exceed 1/2.

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

Incline: See Note 1

Existing Roof System: — Class A, B or C TPO single ply membrane system, insulated or uninsulated, to maintain existing Class A, B or C Classification when covered with:

Primer: — "Tropical #911B" or "Tropical #921B", applied in multiple coats at a total rate of 2.5 gal/100-ft², with "Tropical #932 Tietex® T272 Polyester" (not UL Classified) rolled into the first coating application.

Surfacing: — "Tropical #911 Eternalastic White Elastomeric Roof Coating" or "Tropical #921 Reflex White Elastomeric Roof Coating", applied at a rate of 1.5 - 5.5 gal/100-ft².

Note 1: Classification (A, B or C) will be the same as that of the Existing Classified Roofing System. Incline cannot exceed 3/4.

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

Incline: See Note 1

Existing Roof System: — Class A, B or C EPDM single ply membrane system, insulated or uninsulated, to maintain existing Class A, B or C Classification when covered with:

Primer: — "Tropical #911B" or "Tropical #921B", applied in multiple coats at a total rate of 2.5 gal/100-ft², with "Tropical #932 Tietex® T272 Polyester" (not UL Classified) rolled into the first coating application.

Surfacing: — "Tropical #911 Eternalastic White Elastomeric Roof Coating" or "Tropical #921 Reflex White Elastomeric Roof Coating", applied at a rate of 1.5 - 5.5 gal/100-ft².

Note 1: Classification (A, B or C) will be the same as that of the Existing Classified Roofing System. Incline cannot exceed 1/2.

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