

Foam-Control® insulation is used in a wide range of UL Roof Listings, UL Roof Deck Constructions, and UL Hourly Designs. This document provides basic information on the use of Foam-Control insulation products and these applications. For complete and the most up to date information, please refer to the UL Online Certifications Directory.

SINGLE PLY MEMBRANE SYSTEMS

Class A - Fully Adhered

Deck: NC

Insulation: “Foam-Control”, “Foam-Control Tapered”, or “Foam-Control R-SHIELD”, any thickness.

Base Sheet: Soprema “EPS FLAM STICK”, self adhered.

Cap Sheet: Soprema “Sopralene Flam 180 FR+ Granular” or “Sopralene Flam 250 FR+ Granular”, heat welded.

Deck: NC

Insulation: “Foam-Control”, “Foam-Control Tapered”, or “Foam-Control R-SHIELD”, any thickness.

Base Sheet: Soprema “EPS FLAM STICK FR”, self adhered.

Cap Sheet: Soprema “Sopralene Flam 180 FR+ Granular” or “Sopralene Flam 250 FR+ Granular”, heat welded.

Deck: C-15/32

Barrier Board: 1/4 in. (min) G-P Gypsum DensDeck® or 1/2 in. (min) gypsum board with 6 in. offset to plywood joints.

Insulation: “Foam-Control”, “Foam-Control Tapered”, or “Foam-Control R-SHIELD”, any thickness.

Base Sheet: “EPS FLAM STICK”, self adhered.

Cap Sheet: Soprema “Sopralene Flam 180 FR + Granular” or “Sopralene Flam 250 FR + Granular”, heat welded.

Deck: NC

Insulation: “Foam-Control”, “Foam-Control Tapered”, or “Foam-Control R-SHIELD”, any thickness.

Base Sheet: Polyglass “ELASATOFLEX SA V FR BASE”, self adhered.

Ply Sheet (Optional): Polyglass “ELASATOFLEX SA V FR BASE”, self adhered.

Membrane: Polyglass “ELASATOFLEX SA V FR”, self adhered.

Deck: C-15/32

Insulation: “Foam-Control”, “Foam-Control Tapered”, or “Foam-Control R-SHIELD”, any thickness.

Base Sheet: Polyglass “ELASATOFLEX SA V FR BASE”, self adhered.

Ply Sheet (Optional): Polyglass “ELASATOFLEX SA V FR BASE”, self adhered.

Membrane: Polyglass, “ELASATOFLEX SA V FR”, self adhered.

Deck: NC

Insulation: “Foam-Control”, “Foam-Control Tapered”, or “Foam-Control R-SHIELD”, any thickness.

Base Sheet: Polyglass “ELASTOFLEX SA V FR BASE”, self adhered.

Ply Sheet (Optional): Polyglass “ELASTOFLEX SA V FR BASE”, self adhered.

Membrane: Polyglass “ELASTOFLEX VG FR”, heat adhered.

Deck: NC

Insulation: “Foam-Control”, “Foam-Control Tapered”, or “Foam-Control R-SHIELD”, any thickness.

Base Sheet: Ridglass Manufacturing “Roofgard HD” self-adhered.

Ply Sheet (Optional): Ridglass Manufacturing “Roofgard Base-Ply G” self-adhered.

Membrane: Ridglass Manufacturing “Roofgard FR G” self-adhered.

Deck: NC

Insulation: “Foam-Control EPS-ST”, any thickness, any density, mechanically attached.

Membrane: GAF Materials Corp. “EverGuard Freedom TPO” or GenFlex Roofing Systems “GenFlex Peel & Stick TPO”, max. 60 mil, self-adhered.

Note: Information deemed reliable at time of printing. Please refer to the UL Online Certifications Directory for the latest information. June 2015.

SINGLE PLY MEMBRANE SYSTEMS (CONT.)

Class A, B or C - Fully Adhered

Deck: NC

Insulation: “Foam-Control”, “Foam-Control Tapered”, “Foam-Control R-SHIELD”, or “Foam-Control Nailbase”, any thickness, field covered with perlite 3/4 in. min thickness or 1/2 in. min USG Interiors “Micore MC 180,” Huebert wood fiber, Georgia-Pacific “Sturdi-Top”, Wood Fiber Industries “Structodeck”, Celotex wood fiber, Temple-Inland “Fiber Base” or other wood fiber at 1 in. min thickness).

Membrane: Any UL Classified modified bitumen system suitable for use with any roof insulation.

Surfacing: See note.

Note: Classification (A, B or C) will be the same as that for the original insulation/membrane roofing system. Max incline, attachment of membrane, and surfacing of membrane shall be in accordance with Classification established for membrane/insulation roofing system.

Deck: NC

Insulation: EPS/perlite or EPS/wood fiber (perlite 3/4 in. min thickness or 1/2 in. min USG Interiors’ “Micore MC 180”, Huebert wood fiber, Georgia-Pacific Corp. “Strudi-Top”, Wood Fiber Industries’ “Structodeck”, Celotex wood fiber, Temple-Inland “Fiber Base” or other wood fiber at 1 in. min thickness), any combination, any thickness of the following: “Foam-Control”, “Foam-Control Tapered”, or “Foam-Control R-SHIELD”, field covered with perlite or wood fiber, any thickness.

Membrane: Any UL Classified EPDM, CPE, CSPE, PVE, CR, NBP or PIB membrane system suitable for use with any roof insulation.

Surfacing: See note.

Note: Classification (A, B or C) will be the same as that for the original insulation/membrane roofing system. Maximum incline, attachment of membrane, and surfacing of membrane shall be in accordance with Classification established for membrane/insulation roofing system.

Deck: NC

Insulation: “Foam-Control Nailbase”, any thickness.

Membrane: Any UL Classified modified bitumen system suitable for use with any roof insulation.

Surfacing: See note.

Note: Classification (A, B or C) will be the same as that for the original insulation/membrane roofing system. Max incline and surfacing shall be in accordance with the classification established for the insulation/membrane roofing system. Base sheet (if any) shall be in accordance with the classification established for the insulation/membrane roofing system.

Deck: NC

Insulation: “Foam-Control Nailbase”, any thickness.

Membrane: Any UL Classified EPDM, CPE, CSPE, PVC, CR, NBP, TPO or PIB membrane system suitable for use with any roof insulation.

Surfacing: See note.

Note: Classification (A, B or C) will be the same as that for the original insulation/membrane roofing system. Max incline, attachment of membrane and surfacing shall be in accordance with the classification established for the membrane/insulation roofing system.

Class A - Mechanically Fastened

Deck: NC

Insulation: “Foam-Control”, “Foam-Control Tapered”, or “Foam-Control R-SHIELD”, any thickness.

Slip Sheet: Elk “VersaShield FB-1S”.

Membrane: Any UL Classified CPE, CSPE, PVC, NBP, TPA, or EIP.

Deck: NC

Insulation: “Foam-Control”, “Foam-Control Tapered”, or “Foam-Control R-SHIELD”, any thickness.

Slip Sheet: Elk “VersaShield FB-1S”.

Membrane: Any UL Classified TPO or PIB.

Deck: NC

Insulation: “Foam-Control”, “Foam-Control Tapered”, or “Foam-Control R-SHIELD”, any thickness.

Slip Sheet: Elk “VersaShield FB-1S”.

Membrane: Any UL Classified EPDM.

Deck: NC

Insulation: “Foam-Control”, “Foam-Control Tapered”, or “Foam-Control R-SHIELD”, any thickness.

Slip Sheet: Atlas Roofing “FR 10” or “FR 11”.

Membrane: HPG Roofing Systems “SR 50”, “SR 60” or “SR 80”.

Deck: NC

Insulation: “Foam-Control”, “Foam-Control Tapered”, or “Foam-Control R-SHIELD”, any thickness.

Slip Sheet: Atlas Roofing “FR 10” or “FR 11”.

Membrane: Seal-Dry/USA System “3000”, “5000” or “7000” (PVC).

SINGLE PLY MEMBRANE SYSTEMS (CONT.)

Class A - Mechanically Fastened (cont.)

Deck: NC

Insulation: Foam-Control", "Foam-Control Tapered", or "Foam-Control R-SHIELD", any thickness.

Slip Sheet: Atlas Roofing "FR 10" or "FR 11".

Membrane: JPS Elastomerics "Hi-Tuff" (CSM).

Deck: NC

Insulation: "Foam-Control", "Foam-Control Tapered", or "Foam-Control R-SHIELD", any thickness.

Slip Sheet: Atlas Roofing "FR 10" or "FR 11".

Membrane: Sarnafil "S327" or "G410".

Deck: NC

Insulation: "Foam-Control", "Foam-Control Tapered", or "Foam-Control R-SHIELD", any thickness.

Slip Sheet: Atlas Roofing "FR 10" or "FR 11".

Membrane: Cooley "C3" (TPA).

Deck: NC

Insulation: "Foam-Control", "Foam-Control Tapered", or "Foam-Control R-SHIELD", any thickness.

Slip Sheet: Atlas Roofing "FR 10" or "FR 11".

Membrane: Duro-Last "Duro-Last" (PVC).

Deck: NC

Insulation: "Foam-Control", "Foam-Control Tapered", or "Foam-Control R-SHIELD", any thickness.

Slip Sheet: Atlas Roofing "FR 10" or "FR 11".

Membrane: Bond Cote Roofing Systems "Bond Cote".

Deck: NC

Insulation: "Foam-Control EPS-ST", any thickness.

Membrane: Any UL Classified CPE, CSPE, PVC, NBP, TPA, or EIP.

Deck: NC

Insulation: "Foam-Control EPS-ST", any thickness.

Membrane: Carlisle Syntec "Sure Weld" TPO Membrane.

Deck: NC

Insulation: "Foam-Control EPS-ST", any thickness.

Membrane: Firestone "FR-EPDM".

Deck: NC

Insulation: "Foam-Control EPS-ST", any thickness and density, mechanically attached.

Membrane: Any UL Classified PVC, CSPE or TPO, max. 60 mil.

Class B - Mechanically Fastened

Deck: C-15/32

Insulation: "Foam-Control", "Foam-Control Tapered", or "Foam-Control R-SHIELD", min. 3/4" thick.

Slip Sheet: Two layers of Elk "VersaShield FB-1S."

Membrane: Any UL Classified membrane.

Class A, B or C - Mechanically Fastened

Deck: NC

Insulation: "Foam-Control", "Foam-Control Tapered", "Foam-Control R-SHIELD", or "Foam-Control Nailbase", any thickness, field covered with perlite 3/4 in. min thickness or 1/2 in. min USG Interiors "Micore MC 180," Huebert wood fiber, Georgia-Pacific "Sturdi-Top", Wood Fiber Industries "Structodeck", Celotex wood fiber, Temple-Inland "Fiber Base" or other wood fiber at 1 in. min thickness).

Membrane: Any UL Classified single ply membrane system suitable for use with any roof insulation.

Surfacing: See note.

Note: Classification (A, B or C) will be the same as that for the original insulation/membrane roofing system. Max incline, attachment of membrane and surfacing shall be in accordance with the classification established for the membrane/insulation roofing system.

Deck: NC

Insulation: "Foam-Control Nailbase", any thickness.

Membrane: Any UL Classified single ply membrane system suitable for use with any roof insulation.

Surfacing: See note.

Note: Classification (A, B or C) will be the same as that for the original insulation/membrane roofing system. Max incline, attachment of membrane and surfacing shall be in accordance with the classification established for the membrane/insulation roofing system.

Class A - Ballasted

Deck: C-15/32

Insulation: "Foam-Control", "Foam-Control Tapered", "Foam-Control R-SHIELD", or "Foam-Control Nailbase", any thickness, field covered with 1/2 in. min perlite.

Membrane: Any UL Classified membrane system.

Surfacing: River bottom stone (3/4 to 1-1/2 in. diam), 1000 lb/sq.

SINGLE PLY MEMBRANE SYSTEMS (CONT.)

Class A - Ballasted (cont.)

Deck: NC

Insulation: "Foam-Control", "Foam-Control Tapered", "Foam-Control R-SHIELD", or "Foam-Control Nailbase", any thickness.

Membrane: Any UL Classified membrane system.

Surfacing: River bottom stone (3/4 to 1-1/2 in. diam), 1000 lb/sq.

Deck: NC

A.) Monolithic poured cementitious deck. B.) Steel covered with gypsum board or perlite board, 1/2 in. min. C.) Structural decks with all joints covered with Type 30 base sheet, extending 6 in. (min) on each side of joint. D.) Metal deck covered with cellular concrete, gypsum concrete, vermiculite concrete or perlite concrete.

Insulation: "Foam-Control", "Foam-Control Tapered", "Foam-Control R-SHIELD", or "Foam-Control Nailbase", any thickness.

Membrane: Any UL Classified membrane system.

Surfacing: River bottom stone (3/4 in. to 1-1/2 in. diam), 1000 lb/sq.

Deck: NC

Insulation: "Foam-Control EPS-ST", any thickness, mechanically attached.

Membrane: Any UL Classified membrane.

Surfacing: River bottom stone (3/4 in. to 1-1/2 in. diam), 1000 lb/sq.

ASPHALT FELT SYSTEMS WITH HOT ROOFING ASPHALT

Class A

Deck: NC

Insulation: "Foam-Control", "Foam-Control Tapered", "Foam-Control R-SHIELD", or "Foam-Control Nailbase", any thickness, field covered with 1/2 in. min perlite, 1/2 in. min wood fiber, or 1/4 in. min DensDeck.

Ply Sheet: Three to five plies Type 15, G1 or G2.

Surfacing: Gravel or Type G3 mineral surfaced cap sheet.

Deck: C-15/32

Insulation: "Foam-Control", "Foam-Control Tapered", "Foam-Control R-SHIELD", or "Foam-Control Nailbase", any thickness, field covered with 3/4 in. min perlite.

Ply Sheet: Three to five plies Type 15, G1 or G2.

Surfacing: Gravel or Type G3 mineral surfaced cap sheet.

Deck: C-15/32

Insulation: "Foam-Control", "Foam-Control Tapered", "Foam-Control R-SHIELD", or "Foam-Control Nailbase", any thickness, field covered with 3/4 in. min perlite.

Ply Sheet: Two or more plies Type 15, G1 or G2 (glass plies required with Type G3 cap sheet).

Surfacing: Gravel or Type G3 mineral surfaced cap sheet.

MAINTENANCE AND REPAIR SYSTEMS

Class A

See UL Online Certifications Directory for current listings.

UL ROOF DECK CONSTRUCTIONS.

Foam-Control is suitable for use in the following UL Roof Deck Constructions.

| | | | | |
|---------|---------|---------|----------|---------|
| No. 76 | No. 100 | No. 155 | No. 219 | No. 237 |
| No. 292 | No. 319 | No. 342 | No. 342A | No. 374 |
| No. 419 | No. 427 | No. 458 | No. 486 | No. 487 |
| No. 581 | No. 631 | No. 645 | No. 666 | No. 667 |
| No. 681 | No. 683 | No. 687 | | |

UL HOURLY DESIGNS.

Foam-Control is suitable for use in the following hourly designs.

| | | | | | | |
|------|------|------|------|------|------|------|
| D303 | D755 | D759 | D775 | D795 | D902 | D916 |
| D922 | D923 | D927 | D929 | D949 | D957 | D958 |
| D975 | P225 | P230 | P231 | P235 | P238 | P246 |
| P250 | P251 | P254 | P255 | P259 | P261 | P264 |
| P269 | P302 | P404 | P410 | P411 | P503 | P508 |
| P509 | P510 | P511 | P513 | P514 | P515 | P519 |
| P520 | P521 | P525 | P527 | P535 | P540 | P541 |
| P542 | P543 | P546 | P550 | P551 | P553 | P562 |
| P563 | P564 | P678 | P701 | P710 | P713 | P717 |
| P719 | P725 | P731 | P732 | P734 | P735 | P739 |
| P741 | P742 | P749 | P751 | P825 | P828 | P840 |
| P902 | P904 | P905 | P907 | P909 | P910 | P912 |
| P913 | P915 | P916 | P919 | P920 | P921 | P922 |
| P923 | P925 | P926 | P928 | P929 | P930 | P936 |
| P939 | P940 | P942 | P943 | P944 | P945 | P947 |



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