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:** 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.
### Class A, B or C - Fully Adhered

<table>
<thead>
<tr>
<th>Deck:</th>
<th>NC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Insulation:</strong></td>
<td>“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.</td>
</tr>
<tr>
<td><strong>Membrane:</strong></td>
<td>Any UL Classified modified bitumen system suitable for use with any roof insulation.</td>
</tr>
<tr>
<td><strong>Surfacing:</strong></td>
<td>See note.</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Deck:</th>
<th>NC</th>
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</thead>
<tbody>
<tr>
<td><strong>Insulation:</strong></td>
<td>“Foam-Control”, “Foam-Control Tapered”, or “Foam-Control R-SHIELD”, any thickness.</td>
</tr>
<tr>
<td><strong>Slip Sheet:</strong></td>
<td>Elk “VersaShield FB-1S”.</td>
</tr>
<tr>
<td><strong>Membrane:</strong></td>
<td>Any UL Classified EPDM, CPE, CSPE, PVC, NBP, TPA, or EIP.</td>
</tr>
</tbody>
</table>

### Class A - Mechanically Fastened

<table>
<thead>
<tr>
<th>Deck:</th>
<th>NC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Insulation:</strong></td>
<td>“Foam-Control”, “Foam-Control Tapered”, or “Foam-Control R-SHIELD”, any thickness.</td>
</tr>
<tr>
<td><strong>Slip Sheet:</strong></td>
<td>Atlas Roofing “FR 10” or “FR 11”.</td>
</tr>
<tr>
<td><strong>Membrane:</strong></td>
<td>Seal-Dry/USA System “3000”, “5000” or “7000” (PVC).</td>
</tr>
</tbody>
</table>

### Class B or C - Fully Adhered

<table>
<thead>
<tr>
<th>Deck:</th>
<th>NC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Insulation:</strong></td>
<td>“Foam-Control Nailbase”, any thickness.</td>
</tr>
<tr>
<td><strong>Membrane:</strong></td>
<td>Any UL Classified modified bitumen system suitable for use with any roof insulation.</td>
</tr>
<tr>
<td><strong>Surfacing:</strong></td>
<td>See note.</td>
</tr>
</tbody>
</table>

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.
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


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.


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


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

Surfacing: Gravel or Type G3 mineral surfaced cap sheet.

Deck: C-15/32


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