

For a complete listing of roofing codes go to www.Insulfoam.com.
Click on *Roofing Applications* and select *Technical Information*.

Single Ply Systems

Single Ply- Mechanically Attached

- *Class A**
Deck: Combustible or Non-Combustible
System: Single Ply- Mechanically Attached
Barrier Board: 1/2" (min.) gypsum board or 1/4" (min.) DensDeck.
Insulation: InsulFoam EPS, Tapered InsulFoam, R-Tech; any thickness, any density.
Membrane: Any UL-Classified EPDM, TPO, PVC, CPE, CSPE, CR, NBP, EIP, EP, PIB or TPA.
Surfacing: See membrane listing.
- *Class A**
Deck: Non-Combustible
System: Single Ply- Mechanically Attached
Insulation: InsulFoam EPS, Tapered InsulFoam, R-Tech, InsulLam, InsulVent; any thickness, any density. InsulFoam/wood fiber or InsulFoam/perlite; factory-laminated or field-applied.
Membrane: Any UL-Classified EPDM, TPO, PVC, CPE, CSPE, CR, NBP, EIP, EP, PIB or TPA.
Surfacing: See membrane listing.
- *Class A**
Deck: Non-Combustible
System: Single Ply- Mechanically Attached
Insulation: InsulFoam SP; any thickness, any density, mechanically attached.
Membrane: Any UL-Classified PVC, TPO, CSPE or reinforced Carlisle Sure Seal; max. 60 mil.
Surfacing: See membrane listing.
- *Class A**
Deck: Non-Combustible
System: Single Ply- Mechanically Attached
Insulation: InsulFoam EPS, Tapered InsulFoam, R-Tech; any thickness, any density.
Slip Sheet: SecurePly
Membrane: Any UL-Classified EPDM, TPO, PVC, CPE, CSPE, CR, NBP, EIP, EP, PIB or TPA.
Surfacing: See membrane listing.
- *Class A**
Deck: Non-Combustible
System: Single Ply- Mechanically Attached
Insulation: InsulFoam HD Composite, any thickness, any density.
Membrane: Any UL-Classified EPDM, CPE, CSPE, PVC, NBP, TPA, EIP, or TPO.
Surfacing: See membrane listing.
Note: Classification (A, B or C) will be the same as the classification for the membrane when applied directly over polyisocyanurate insulation. The maximum incline can not exceed 1/2:12

Single Ply- Ballasted Systems

- *Class A**
Deck: Combustible or Non-Combustible
System: Single Ply-Ballasted
Insulation: InsulFoam EPS, Tapered InsulFoam, InsulFoam HD Composite, R-Tech, InsulLam, InsulVent, InsulFoam SP; any thickness, any density.
Membrane: Any UL-Classified membrane system.
Surfacing: River bottom stone – 1000 lb/sq. min.

Single Ply- Adhered Systems

- *Class A**
Deck: Combustible or Non-Combustible
System: Single Ply- Adhered
Barrier Board: 1/2" (min.) gypsum board or 1/4" (min.) DensDeck.
Insulation: InsulFoam EPS, Tapered InsulFoam, R-Tech; any thickness, any density.
Membrane: Any UL-Classified EPDM, TPO, PVC, CPE, CSPE, CR, NBP, EIP, EP, PIB or TPA.
Surfacing: See membrane listing.
- *Class A**
Deck: Non-Combustible
System: Single Ply- Adhered
Insulation: InsulFoam EPS, Tapered InsulFoam, R-Tech, InsulLam, InsulVent; any thickness, any density.
Membrane: Any UL-Classified EPDM, TPO, PVC, CPE, CSPE, CR, NBP, EIP, EP, PIB or TPA.
Surfacing: See membrane listing.
- *Class A**
Deck: Non-Combustible
System: Single Ply- Adhered
Insulation: InsulFoam SP; any thickness, any density, mechanically attached.
Membrane: GAF Material Corp. EverGuard Freedom TPO or Genflex Roofing System's GenFlex Peel & Stick TPO, max. 60 mil, self-adhered.
Surfacing: See membrane listing.
- *Class A**
Deck: Non-Combustible
System: Single Ply- Mechanically Attached
Insulation: InsulFoam HD Composite, any thickness, any density.
Membrane: Any UL-Classified EPDM, CPE, CSPE, PVC, NBP, TPA, EIP, or TPO.
Surfacing: See membrane listing.
Note: Classification (A, B or C) will be the same as the classification for the membrane when applied directly over polyisocyanurate insulation. The maximum incline can not exceed 1/2:12

Bituminous Systems

Self-Adhered Modified Bitumen

***Class A**

Deck: Combustible or Non-Combustible
System: Self-Adhered Modified Bitumen
Barrier Board: 1/4" (min.) G-P Gypsum DensDeck® or 1/2" (min.) gypsum board with 6" offset to plywood joints.

Insulation: InsulFoam EPS, Tapered InsulFoam, InsulFoam SP, InsulFoam HD Composite; any thickness, any density.

Membrane:

1. Polyglass Elastoflex SA V FR Base self-adhered/Polyglass Elastoflex SA V FR.
2. Polyglass Elastoflex SA V FR Base self-adhered/Polyglass Elastoflex VG FR.
3. Soprema EPS Flam Stick self-adhered Sopralene Flam 180 FR+ Granular/ Sopralene Flam 250 FR+ Granular.
4. Soprema EPS Flam Stick FR self-adhered/ Sopralene Flam 180 FR+ Granular/ Sopralene Flam 250 FR+ Granular.

Surfacing: See membrane listing.

***Class A**

Deck: Non-Combustible
System: Self-Adhered Modified Bitumen
Insulation: InsulFoam EPS, Tapered InsulFoam, InsulFoam SP, InsulFoam HD Composite, InsulLam, InsulVent; any thickness, any density. InsulFoam/wood fiber or InsulFoam perlite; factory-laminated or field-applied.

Membrane:

1. Polyglass Elastoflex SA V FR Base self-adhered/Polyglass Elastoflex SA V FR.
2. Polyglass Elastoflex SA V FR Base self-adhered/Polyglass Elastoflex VG FR.
3. Ridglass Roofgard HD self-adhered Roofgard Blasé-Ply G/Ridglass Roofgard FR G.
4. Soprema EPS Flam Stick self-adhered Sopralene Flam 180 FR+ Granular/ Sopralene Flam 250 FR+ Granular.
5. Soprema EPS Flam Stick FR self-adhered/ Sopralene Flam 180 FR+ Granular/ Sopralene Flam 250 FR+ Granular.

Surfacing: See membrane listing.

Modified Bitumen

***Class A**

Deck: Non-Combustible
System: Modified Bitumen
Insulation: InsulFoam EPS, Tapered InsulFoam, R-Tech, InsulLam, InsulVent; any thickness, any density.

InsulFoam/wood fiber or InsulFoam/perlite; factory-laminated or field-applied.

Membrane: Any UL-Classified Modified Bitumen.

Surfacing: See membrane listing.

BUR Membrane

***Class A**

Deck: Combustible or Non-Combustible
System: BUR Membrane
Insulation: InsulFoam EPS, Tapered InsulFoam, R-Tech, InsulLam, InsulVent; any thickness, any density.

InsulFoam/wood fiber or InsulFoam/perlite; factory-laminated or field-applied.

Membrane: 3-5 plies UL-Classified

- A. Type 15 (organic)
- B. G1 or G2 (fiberglass)

Surfacing:

- A. 400 lbs. roofing gravel/square
- B. 400 lbs. crushed stone/square
- C. 300 lbs. crushed slag/square
- D. Type G3 mineral surfaced cap sheet

Maintenance and Repair

***Class A, B or C**

Deck: Combustible or Non-Combustible
Existing
Roof System: Class A, B or C built-up smooth surface, cap sheet or gravel surfaced, gravel may be removed.
Insulation: InsulFoam EPS, R-Tech or R-Tech Fanfold; any thickness, any density.
Membrane: Any UL-Classified EPDM, TPO, PVC, CPE, CSPE, CR, NBP, EIP, EP, PIB or TPA.
Surfacing: River bottom stone (3/4"-1 1/2" dia.) at a min. 900 lbs./square.

***Class A, B or C**

Deck: Combustible or Non-Combustible
Existing
Roof System: Class A, B or C built-up smooth surface, cap sheet or gravel surfaced (gravel maintained) to retain the existing Classification.
Insulation: InsulFoam SP; any thickness, any density, mechanically attached.
Membrane: Any UL-Classified TPO, PVC or CSPE max. 60 mil., mechanically attached.
Surfacing: See membrane listing.

***Class A, B or C**

Deck: Non-Combustible
Existing
Roof System: Class A, B or C built-up smooth surface, cap sheet or gravel surfaced, gravel may be removed.
Insulation: InsulFoam EPS, R-Tech or R-Tech Fanfold; max. 1" thickness, any density.
Membrane: Mechanically attach one of the following:
 A. Conklin "Hi-Crown" (CSPE)
 B. Burke "358" (CSPE)
 C. Stevens Hypalon
 D. Seaman Fibertite (EIP)
 E. Duro-Last (PVC)
Surfacing: See membrane listing.

***Class A, B or C**

Deck: Non-Combustible
Existing
Roof System: Class A, B or C built-up smooth surface, cap sheet or gravel surfaced(gravel maintained) to retain existing classification.
Insulation: InsulFoam EPS, R-Tech or R-Tech Fanfold; max. 1" thickness, any density.
Membrane: Mechanically attach one of the following:
 Any UL-Classified EPDM, TPO, PVC, CSPE, EIP, TPA or CPA.
Surfacing: See membrane listing.

***Class A, B or C**

Deck: Non-Combustible
Existing
Roof System: Class A, B, or C
Insulation: InsulFoam HD Composite, any thickness, any density.
Membrane: Any UL-Classified EPDM, CPE, CSPE, PVC, NBP, TPA, EIP, or TPO.
Surfacing: See membrane listing.
Note: Classification (A, B or C) will be the same as the classification for the membrane when applied directly over polyisocynurate insulation. The maximum incline can not exceed 1/2:12

*Contact Insulfoam Representative or consult UL Roofing Materials Guide for more specific listing information.

UL Roof Constructions

InsulFoam EPS Roof Insulations also qualify for the following UL Roof Constructions, as specified in the UL Roofing Materials Guide.

- Const. No. 219
- Const. No. 237
- Const. No. 374
- Const. No. 412
- Const. No. 419
- Const. No. 421
- Const. No. 458
- Const. No. 631
- Const. No. 666
- Const. No. 667
- Const. No. 669