

TGFU.R7260 - ROOFING SYSTEMS

Roofing Systems

See General Information for Roofing Systems

CELLOFOAM NORTH AMERICA INC

1917 ROCKDALE INDUSTRIAL BLVD NW
CONYERS, GA 30012-3941 USA

R7260

"Cellofoam Type I", "Cellofoam Type II", "Cellofoam Type VIII" or "Cellofoam Type IX" insulations may be used wherever "Cellofoam" (EPS) insulation is specified in the Classifications below:

ASPHALT FELT SYSTEMS WITH HOT ROOFING ASPHALT

Class A

1. **Deck:** NC

Incline: 3 (See note)

Insulation: — "Cellofoam" (EPS), any thickness, field covered with 1/2 in. minimum perlite or wood fiber.

Ply Sheet: — 3 to 5 plies Type 15, G1 or G2.

Surfacing: — Gravel or Type G3 mineral surfaced cap sheet.

Note: Incline is reduced to 1 in. when Type G3 mineral surfaced cap sheet is used as the surfacing.

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

Incline: 3 (See note)

Insulation: — "Cellofoam" (EPS), any thickness, field covered with 1 in. minimum perlite.

Ply Sheet: — 3 to 5 plies Type 15, G1 or G2.

Surfacing: — Gravel or Type G3 mineral surfaced cap sheet.

Note: Incline is reduced to 1 in. when Type G3 mineral surfaced cap sheet is used as the surfacing.

SINGLE PLY MEMBRANE SYSTEMS

Class A - Ballasted

Unless otherwise indicated, insulation may be loose laid or mechanically fastened; membrane may be loose laid; mechanically fastened or adhered in place.

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

Incline: 2

Insulation: — "Cellofoam" (EPS), any thickness field covered with minimum 3/4 in. perlite, any thickness of EPS.

Membrane: — Any UL Classified membrane.

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

2. **Deck:** NC

Incline: 2

Note: Deck must be one of the following: A.)Monolithic poured cementitious deck. B.)Steel covered with gypsum board or perlite board, 1/2 in. minimum. 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: — "Cellofoam" (EPS), any thickness, field covered with 1 in. minimum wood fiber or perlite.

Membrane: — Any UL Classified membrane.

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

Class A, B or C (See note) - Fully Adhered

Incline is reduced to 1 in. when Type G3 mineral surfaced cap sheet is used as the surfacing.

Unless otherwise indicated, insulation is mechanically fastened in place.

1. **Deck:** NC

Incline: See note

Insulation: — "Cellofoam" (EPS), any thickness, field covered with 1/2 in. minimum perlite or wood fiber.

Membrane: — Any UL Classified modified bitumen 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 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.

2. **Deck:** NC

Incline: See note

Insulation: — "Cellofoam" EPS, any thickness, field covered with 1 in. minimum wood fiber or perlite.

Membrane: — Any UL Classified EPDM, CPE, CSPE, PVC, CR, NBP, or PIB membrane 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.

Class A, B or C (See note) - Mechanically Fastened

1. **Deck:** NC

Incline: See note

Insulation: — "Cellofoam" (EPS), any thickness, field covered with minimum 1 in. thick perlite or wood fiber.

Membrane: — Any UL Classified EPDM, CPE, CSPE, PVC, CR, NBP, or PIB membrane 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.

Class A - Mechanically Fastened

1. **Deck:** NC

Incline: See note

Insulation: — "Cellofoam" (EPS), any thickness

Slip Sheet: — Atlas "FR-10"

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

Note: Maximum incline is determined by any existing insulation/membrane Classification, but cannot exceed 1:12.

2. **Deck:** NC

Incline: See note

Insulation: — "Cellofoam" (EPS), any thickness

Slip Sheet: — Atlas "FR-10"

Membrane: — Any UL Classified TPO or PIB.

Note: Maximum incline is determined by any existing insulation/membrane Classification, but cannot exceed 1/2:12.

3. **Deck:** NC

Incline: See note

Insulation: — "Cellofoam" (EPS), any thickness

Slip Sheet: — Atlas "FR-10"

Membrane: — Any UL Classified EPDM

Note: Maximum incline is determined by any existing insulation/membrane Classification, but cannot exceed 1/4:12.

4. **Deck:** NC

Incline: 2

Insulation: — "Cellofoam" (EPS), any thickness

Slip Sheet: — Atlas "FR-10"

Membrane: — Sarnafil "S327" or "G410"

5. **Deck:** NC

Incline: 1/4

Insulation: — "Cellofoam" (EPS), any thickness

Slip Sheet: — Atlas "FR-10" or "FR-11"

Membrane: — Cooley "C3" (TPA)

6. **Deck:** NC

Incline: 3

Insulation: — "Cellofoam" (EPS), any thickness

Slip Sheet: — Atlas "FR-10"

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

7. **Deck:** NC **Incline:** 3

Insulation: — "Cellofoam" (EPS), any thickness

Slip Sheet: — Atlas "FR-10"

Membrane: — Bond Cote Roofing Systems "Bond Cote"

8. **Deck:** NC **Incline:** 1

Insulation: — "Cellofoam® FR Composite"

Membrane: — Carlisle Syntec "Sure Weld" TPO membrane

9. **Deck:** NC **Incline:** 1

Insulation: — "Cellofoam® FR Composite"

Membrane: — Any UL Classified CEP, CSPE, PVC, NBP, TPA or EIP

10. **Deck:** NC **Incline:** 1/4

Insulation: — "Cellofoam® FR Composite"

Membrane: — Firestone "FR-EPDM".

11. **Deck:** NC **Incline:** 1/2

Insulation: — "Cellofoam® FR Composite", any thickness and density, mechanically attached

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

MAINTENANCE AND REPAIR SYSTEMS

Class A

1. **Deck:** NC **Incline:** 1/2

Existing Roof System: — Class A, B or C built up system, smooth surface, cap sheet or gravel surfaced, gravel may be removed.

Insulation: — "PolyShield" and "PolyShield Fanfold" 1 in. max thickness.

Membrane: — Mechanically fastened one of the following:

1. Conklin "Hy-Crown" (CSPE)

2. Burke "358" (CSPE)

3. Seaman Fibertite (EIP)

4. Duro-Last (PVC)

2. **Deck:** C-15/32 **Incline:** 1/2

Existing Roof System: — Class A, B or C roofing system, gravel may be removed on gravel surfaced roofing systems.

Insulation: — "PolyShield" and "PolyShield Fanfold", any thickness.

Membrane: — Loose laid one of the following: CSPE, EIP, PVC, EPDM, TPO or CPA.

Surfacing: — River bottom stone (3/4 in. to 1-1/2 in. diam) at minimum 900 lbs per sq.

Class C

1. **Deck:** NC **Incline:** 1/2

Existing Roof System: — Class A, B or C metal roofing system, covered with: Insulation: — "PolyShield" and "PolyShield Fanfold", 1 in. max thickness.

Membrane: — Mechanically fastened one of the following UL Classified: CSPE, EIP, PVC, Reinforced FR EPDM, TPO or CPA.

Class A, B or C

1. **Deck:** NC **Incline:** 1/2

Existing Roof System: — Class A, B or C built-up or modified bitumen system, smooth surface, cap sheet or gravel surfaced (gravel maintained). Or Class A, B or C single-ply system (polystyrene in existing single-ply system must be below a coverboard or minimum 1 in. thickness of polyisocyanurate), to retain the existing Classification.

Insulation: — "Cellofoam EPS", "Type I", "PolyShield" or "Polyshield Fanfold", 1 in. max thickness.

Membrane: — Mechanically fastened one of the following UL Classified: CSPE, EIP, PVC, Reinforced FR EPDM, TPO or CPA.

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

Incline: 1/2

Existing Roof System: — Class A, B or C built-up system or modified bitumen system, smooth surface, cap sheet or gravel surfaced (gravel maintained) to retain the existing Classification.

Insulation: — "Cellofoam EPS", "Type I", "PolyShield" or "Polyshield Fanfold", 1 in. max thickness.

Membrane: — Any UL Classified CSPE, EIP, PVC, TPA, NBP, TPO or Reinforced FR EPDM, mechanically attached.

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