



6.4 U.L. LISTED SPECIFICATIONS

Single Ply Membrane Systems

Unless otherwise specified, the insulation and base sheet are mechanically fastened to the deck. The membrane is heat fused in place.

Class A- Ballasted

- 1. **Deck: NC** **Incline: 1/2**  
**Membrane:** "Dibiten Poly 4.5" (modified bitumen)  
**Surfacing:** River bottom stone, 3/4 to 1-1/2 in., diam., 1000 lb./sq.
- 2. **Deck: NC** **Incline: 2**  
**Insulation (Optional):** Any UL Classified (except polystyrene), any thickness.  
**Base Sheet:** Type 15, G1 or G2, or vented base sheet mechanically fastened or hot mopped.  
**Membrane:** "Dibiflex S", "Dibiflex Supra S" or "Dibiflex 170", heat fused or hot mopped in place.  
**Surfacing:** Gravel, laid loosely or embedded in hot roofing asphalt or any UL Classified emulsion. Emulsion applied at 4-5- gal./sq.

Class B - Ballasted

- 1. **Deck: NC** **Incline: 1/2**  
**Membrane:** "Dibiten Poly/4.5" (modified bitumen)  
**Surfacing:** Gravel at 4000 lbs./sq., loose laid
- 2. **Deck: C 15/32** **Incline: 2**  
**Base Sheet:** Type G2  
**Membrane:** "Dibiten Poly/4.5" or "Dibiten Poly/4" (modified bitumen.)  
**Surfacing:** River bottom stone, 1/2 to 2-1/2 in. diam., 1000 lb./sq.

Class A - Fully Adhered

- 1. **Deck: NC** **Incline: 1/2**  
**Base Sheet (Optional):** One or two plies Type G2, nailed or hot mopped  
**Membrane:** One or more plies "Dibiten Poly/4", "Dibiten Poly/4.5" or "Dibiten Poly/5" (modified bitumen), heat fused.  
**Surfacing:** Karnak "No. 97 Fibrated Aluminum Asphalt Roof Coating" at 1 gal./sq., "APOC 400" at 2 gal./sq., Monsey Products "Weather Check Aluminum Roof Coating" at 1 1/2 gal./sq. or Industrial Research Development "Rhino-Hide T-Cote A" at 2 gal./sq.
- 2. Deleted.
- 3. **Deck: NC** **Incline: 1**  
**Base Sheet:** (Optional): One or two plies Type G2, nailed or hot mopped.  
**Membrane:** One or more plies "Dibiten Poly/4", "Dibiten Poly/4.5" or "Dibiten Poly/5" (modified bitumen), heat fused.  
**Surfacing:** Kokem Products "Sungard Acrylic Latex Roof Coating", 1 gal./sq., 2 coats.
- 4. **Deck: NC** **Incline: 1/2**  
**Insulation (Optional):** Polystyrene, polyisocyanurate,

polyurethane, perlite/polyisocyanurate composite, perlite, wood fiber, glass fiber or phenolic, no max thickness.

**Base Sheet:** Type G2.

**Membrane:** One or more plies "Dibiten Poly/4", "Dibiten Poly/4.5" or "Dibiten Poly/5" (modified bitumen), heat fused.

**Surfacing:** Celotex "FR Bright and White Coating", 0.75 gal./sq., 2 coats.

- 5. **Deck: NC** **Incline: 1/2**  
**Insulation:** Insulation (Optional): Polystyrene, polyisocyanurate, polyurethane, perlite/polyisocyanurate composite, perlite, wood fiber, glass fiber or phenolic, no max thickness.

**Base Sheet:** Type G2.

**Membrane:** One or more plies "Dibiten Poly/4", "Dibiten Poly/4.5" or "Dibiten Poly/5" (modified bitumen), heat fused.

**Surfacing:** Monsey Products "Aqua-Brite Aluminum Asphalt Emulsion", 1.5 gal./sq.

- 6. **Deck: NC** **Incline: 1/2**  
**Insulation:** (Optional): Polystyrene, polyisocyanurate, polyurethane, perlite/polyisocyanurate composite, perlite, wood fiber, glass fiber or phenolic, no maximum thickness.

**Base Sheet:** Type G2.

**Membrane:** One or more plies "Dibiten Poly/4", "Dibiten Poly/4.5" or "Dibiten Poly/5" (modified bitumen), heat fused.

**Base Coat:** "Neste-Thermo 202HS", 1.5 gal./sq.

**Surfacing:** "Neste-Thermo Super Prep II", 1.5 gal./sq.

- 7. **Deck: NC** **Incline: 1/2**  
**Base Sheet:** (Optional): Type G2.  
**Membrane:** One or more plies "Dibiten Poly/4", "Dibiten Poly/4.5" or "Dibiten Poly/5" (modified bitumen), heat fused.

**Surfacing:** Celotex "FR Bright and White Coating", 0.75 gal./sq., 2 coats.

- 8. **Deck: NC** **Incline: 1/2**  
**Base Sheet:** (Optional): Type G2.  
**Membrane:** One or more plies "Dibiten Poly/4", "Dibiten Poly/4.5" or "Dibiten Poly/5" (modified bitumen), heat fused.

**Surfacing:** Monsey Products "Aqua-Brite Aluminum Asphalt Emulsion", 1.5 gal./sq.

- 9. **Deck: NC** **Incline: 1/2**  
**Base Sheet (Optional):** Type G2.  
**Membrane:** One or more plies "Dibiten Poly/4", "Dibiten Poly/4.5" or "Dibiten Poly/5" (modified bitumen), heat fused.

**Base Coat:** "Neste-Thermo 202HS", 1.5 gal./sq.

**Surfacing:** "Neste-Thermo Super Prep II", 1.5 gal./sq.

# Specification & Application Manual

## Modified Bitumen Roofing Membranes

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- 10. Deck: C-15/32                      Incline: 1/2**  
**Base Sheet:** Two plies G2, "PP 28", "GlasBase" or "DibiGlass Base", mechanically fastened or hot mopped.  
**Membrane:** "Dibiten Poly 4.5 FR" (modified bitumen), heat welded.

### Class B - Fully Adhered

- 1. Deck: C15/32                      Incline: 1/2**  
**Base Sheet:** Two plies Type G2 (Johns Manville or Owens-Corning), nailed or hot mopped.  
**Membrane:** One or more plies "Dibiten Poly/4", "Dibiten Poly/4.5" or "Dibiten Poly/5" (modified bitumen), heat fused.  
**Surfacing:** Karnak "No. 97 Fibrated Aluminum Asphalt Roof Coating" at 1 gal./sq. "APOC 400" at 2 gal./sq., Monsey products "Weather Check Aluminum Roof Coating", at 1 1/2 gal./sq. or Industrial Research Development "rhino-Hide Ti Cote A" at 2 gal./sq.
- 2. Deck: C-15/32                      Incline: 1/2**  
**Base Sheet:** Two plies Type G2, nailed or hot mopped in place.  
**Membrane:** One or more plies "Dibiten Poly/4", "Dibiten Poly/4.5", or "Dibiten Poly/5" (modified bitumen), heat fused.  
**Surfacing:** Fields "Fields F600 FlameBloc ModFit Fibered Aluminum Roof Coating" at 1-1/2 gal./sq.

### Class C- Fully Adhered

- 1. Deck: 15/32                      Incline: 1**  
**Base Sheet:** One ply Type G2, mechanically fastened.  
**Membrane:** One or two plies "Dibiten Poly/4", or "Dibiten Poly/4.5" (modified bitumen), heat fused.