



Report of Materials and Equipment Acceptance Division

NYC Department of Buildings
280 Broadway, New York, NY 10007
Patricia Lancaster, FAIA, Commissioner
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Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

MEA 338-06-M

Manufacturer: Soprema Inc., 310 Quadral Drive, Ohio 44281

Trade Name(s): Soprema

Product: Roofing material

Pertinent Code Section(s): 27-337

Prescribed Test(s): RS 5-10 (UL 790, ASTM E108)

Laboratory: Underwriters Laboratories, Inc.

Test Report(s): UL Reports: 87NK10526; 89NK10293; 91NK8932; 93NK15461; 93NK18523; 94NK6257; 96NK11168; 96NK32026; 97NK11437; 97NK33406; 00NK37769; 00NK42126; 99NK29833; 00NK47999; 00NK5320; 01NK31199; 01NK29692; 01NK31196; 01NK9366; 00NK5320; 01NK33954; 02NK26012; 03NK23327; 03NK27786; and 05NK04384.

Description: Low-slope roofing materials, including Elastophene Sanded; Elastophene GR; Mammouth Alu Flam; Mammouth 40 TV ALU; Sopralast TV Copper; Elastophene 180 PS; Elastophene FR GR; SEBS **Sopracolle E**; Colphene FR GR; Sopralast 50 TV ALU; Cural; Unilay; FM Adhesive (VOC); High Velocity Membrane Adhesive; FM Adhesive; Sopralene Flam 180; Soprafix; Elastophene Flam FR + GR; Sopraboard; Sopralene 250 Sanded; Elastophene FR+ GR; **"R" Nova**; EPS Flam Stick; Sopralene Flam Stick; Colphene HR FR GR; Sopralene Flam 250 FR + GR; **Soprafix (x)**; **Elastophene Flam GR**; Alsan Flashing; Colvent SA; Colvent TG; Sopralene Flam 250 GR; **Sopralene Flam 250**; Colphene HR FR GR; Elastophene Flam FR GR; Colphene FR GR; Sopralene Flam 180 FR GR and Soprafix-e.

Unless otherwise indicated SOPRACOLLE "E" modified asphalt hot mopping adhesive may be used as an alternate to hot mopping asphalt in systems limited to inclines not exceeding 1 in. to the horizontal ft.

Class A - Fully Adhered ("Elastophene GR" Membranes)

The following cold applied adhesives are acceptable for use in these systems at 1.5 gal/sq: Soprema "SOPRACOLLE", "FM Adhesive", "FM Adhesive (VOC)" and "High Velocity Membrane Adhesive".

The following ply sheets may be substituted for the "Sopralene 250 Sanded" sheet: "Elastophene Sanded", "Elastophene Flam", "Elastophene FL 2.2mm", "Elastophene PS", "Elastophene HD", "Elastophene Sanded 3.0 mm", "Elastophene PS 3.0 mm", "Elastophene 180 Sanded", "Elastophene 180 PS", "Elastophene 180 SP", "Sopralene 180 Sanded", "Sopralene Flam 180", "Sopralene Flam 250", "Sopralene 250 3.5", "Sopralene 180 PS", "Sopralene 180 SP 3.5 mm", "Sopralene Flam 180 2.7 mm", "Sopralene 250 PS 2.7 mm", "Elastophene HR Sanded" or "Elastophene Flam HR 3.0 mm".

1. Deck: NC

Incline: 1/2

Insulation (Optional): — Polystyrene, Polyisocyanurate, wood fiberboard, glass fiber or perlite board, any thickness, any combination.

Barrier Board: — 1/8 in. or 3/16 in. "SOPRABOARD", 7/16-in. (min) glass fiber, 3/4 in. (min) perlite or rockwool or one of the following 1/2 in. (min) fiberboards Temple-Inland "Fiber Base HD", Hubert Brothers "Fiberboard" or International Bildrite "Bildrite Roof board" "Bildrite Roof-Rite", mechanically fastened.

Ply Sheet: — "Sopralene 250 Sanded", adhered with one of the above Soprema cold applied adhesives, hot mopped or heat fused.

Membrane: — "Elastophene GR", "Elastophene Flam GR", adhered with one of the above Soprema cold applied adhesives, hot mopped or heat fused.

4. Deck: NC

Incline: 1/2

Insulation (Optional): — Polyisocyanurate any thickness, glass fiber, perlite or rock wool (3/4-in. min), wood fiberboard (1/2- in. min), G-P Gypsum DensDeck® or DensDeck Prime® m (1/4-in. min) or "Sopraboard" (1/8-in. or 3/16-in.).

Base Sheet (Optional): — One or more plies Type G1, G2, G3, "Sopraglass 40" or "Sopraglass 100", mechanically fastened or hot mopped.

Ply Sheet: — "Soprafix" or "Soprafix9x)", mechanically fastened in-lap with heat-welded seams.

Membrane: — "Elastophene GR", hot mopped or "Elastophene Flam GR", heat welded.

Base Coat: — "ALSAN Flashing®" at 2.5 gal/sq.

Top Coat: — "ALSAN Flashing®" at 1.25 to 2.5 gal/sq with 35 lbs/sq of ceramic granules or slate granules.

3. Deck: NC

Incline: 1

Insulation (Optional): — Polyisocyanurate, polystyrene, perlite board, glass fiber, rock wool board or wood fiberboard, any thickness. Insulation is covered with one of the following boards: (1/4-in. min) G-P Gypsum DensDeck® or DensDeck Prime® or (1/2-in. min) gypsum board.

Base Sheet (Optional): — One or two plies Type G1, G2, "Sopraglass 100", "Modified Sopra G" or "Sopra G", any combination, mechanically fastened or adhered with hot roofing asphalt.

Ply Sheet: — One ply "Elastophene Sanded", "Elastophene 180 Sanded", "Elastophene 180 PS", "Sopralene 180 Sanded", "Sopralene 250 Sanded", mechanically fastened or adhered with hot roofing asphalt or "Sopralene Flam 180" or "Elastophene Flam", mechanically fastened or heat welded.

Membrane: — "Elastophene GR", hot mopped or "Elastophene Flam GR", heat welded.

Base Coat: — "ALSAN Flashing®" at 2.5 gal/sq.

Top Coat: — "ALSAN Flashing®" at 1.25 to 2.5 gal/sq with 35 lbs/sq of ceramic granules or slate granules.

4. Deck: NC

Incline: 1/2

Insulation (Optional): — Polyisocyanurate any thickness, glass fiber, perlite or rock wool (3/4-in. min), wood fiberboard (1/2-in. min), G-P Gypsum DensDeck® or DensDeck Prime® (1/4-in. min) or "Sopraboard" (1/8-in. or 3/16-in.).

Base Sheet (Optional): — One or more plies Type G1, G2, G3, "Sopraglass 40" or "Sopraglass 100", mechanically fastened or hot mopped.

Ply Sheet: — "Soprafix" or "Soprafix9x)", mechanically fastened in-lap with heat-welded seams.

Membrane: — "Elastophene GR", hot mopped or "Elastophene Flam GR", heat welded.

Base Coat: — "ALSAN Flashing®" at 2.5 gal/sq.

Top Coat: — "ALSAN Flashing®" at 1.25 to 2.5 gal/sq with 35 lbs/sq of ceramic granules or slate granules.

5. Deck: NC

Incline: 1/4

Insulation: — Polyisocyanurate, perlite, glass fiber, rock wool board or wood fiberboard, any thickness, mechanically fastened.

Ply Sheet: — One ply "Elastophene Sanded," "Elastophene 180 Sanded," "Elastophene 180 PS," "Sopralene 180 Sanded," "Sopralene 250 Sanded," mechanically fastened or adhered with hot roofing asphalt or "Sopralene Flam 180" or "Elastophene Flam," mechanically fastened or heat welded.

Membrane: — "Elastophene GR", hot mopped or "Elastophene Flam GR", heat welded.

Base Coat: — "ALSAN Flashing®" at 2.5 gal/sq.

Top Coat: — "ALSAN Flashing®" at 1.25 to 2.5 gal/sq with 35 lbs/sq (min) of ceramic granules or slate granules.

6. Deck: NC

Incline: 1/2

Insulation: — Polyisocyanurate covered with wood fiberboard, any thickness, mechanically fastened.

Ply Sheet: — One ply "Elastophene Sanded," "Elastophene 180 Sanded," "Elastophene 180 PS," "Sopralene 180 Sanded," "Sopralene 250 Sanded," mechanically fastened or adhered with hot roofing asphalt or "Sopralene Flam 180" or "Elastophene Flam," mechanically fastened or heat welded.

Membrane: — "Elastophene GR", hot mopped or "Elastophene Flam GR", heat welded.

Base Coat: — "ALSAN Flashing®" at 2.5 gal/sq.

Top Coat: — "ALSAN Flashing®" at 1.25 to 2.5 gal/sq with 35 lbs/sq (min) of ceramic granules or slate granules.

Class A - Fully Adhered

7. Deck: NC

Incline: No Limitation

Insulation (Optional): — Polyisocyanurate, glass fiber, perlite, wood fiber, any combination, any thickness, mechanically fastened or adhered with hot roofing asphalt.

Base Sheet: — Type G2 or "Elastophene Sanded," mechanically fastened or adhered with hot roofing asphalt; or "Elastophene Flam," mechanically fastened or heat fused.

Membrane: — "Mammoth Alu Flam," "Mammoth 40 TV Alu," "Sopralast TV Copper" or "Sopralast 50 TV Alu," heat fused or adhered with hot roofing asphalt.

4. Deck: NC

Incline: 2

Insulation (Optional): — Polyisocyanurate, glass fiber, rock wool, perlite, wood fiber, any thickness, mechanically fastened or adhered with hot roofing asphalt.

Base Sheet: — One or two plies Type G2, "Sopraglass 40" or "Sopraglass 100," mechanically fastened or adhered with hot roofing asphalt.

Ply Sheet (Optional): — "Elastophene Sanded," "Elastophene 180 Sanded," adhered with hot roofing asphalt.

Membrane: — "Elastophene FR GR," "Sopralene 180 FR GR" or "Sopralene 250 FR GR," adhered with hot roofing asphalt or "Elastophene Flam FR GR," "Sopralene Flam 180 FR GR" or "Sopralene Flam 250 FR GR," heat fused in place.

21. Deck: NC

Incline: No Limitation

Base Sheet: — "Sopralene Flam 250," mechanically fastened.

Membrane: — "Sopralast 50 TV Alu," heat fused.

20. Deck: NC

Incline: No Limitation

Insulation (Optional): — Polyisocyanurate, glass fiber, rock wool, wood fiberboard, perlite, any thickness, mechanically fastened or applied with hot asphalt.

Barrier Board: — Perlite board, 3/4 in. min, mechanically fastened or applied with hot asphalt.

Base Sheet (Optional): — One or two plies Type G1, G2, "Sopraglass 40" or "Sopraglass 100" any combination, mechanically fastened or applied with hot asphalt.

Ply Sheet: — One ply "Elastophene Sanded," "Elastophene 180 Sanded," "Elastophene PS," "Elasto 180 PS," "Sopralene 180 ," "Sopralene 250," "Sopralene 180 PS" or "Sopralene 250 PS," adhered with hot asphalt or mechanically fastened or "Elastophene Flam," "Elastophene Flam 2.2," "Sopralene Flam 180" or "Sopralene Flam 250," mechanically fastened or heat fused.

Membrane: — "Sopralast Alu," heat fused.

3. Deck: NC

Incline: 3/4

Insulation (Optional): — Polyisocyanurate, glass fiber, rock wool, perlite, wood fiber, any thickness, mechanically fastened or adhered with hot roofing asphalt.

Base Sheet: — Type G2, "Sopraglass 40" or "Sopraglass 100," mechanically fastened or adhered with hot roofing asphalt.

Membrane: — "Sopralene 180 Sanded" or "Sopralene 250 Sanded," heat fused or adhered with hot roofing asphalt.

Surfacing: — "Cural" Aluminum Roof Coating at 2 gal/sq.

9. Deck: NC

Incline: 3/4

Insulation (Optional): — Glass fiber, perlite, wood fiber, any combination, any thickness, mechanically fastened or adhered with hot roofing asphalt.

Base Sheet: — Type G2, "Sopraglass 40" or "Sopraglass 100," mechanically fastened or adhered with hot roofing asphalt.

Ply Sheet: — : "Elastophene Sanded," "Elastophene 180 Sanded," "Elastophene PS" or "Elastophene 180 PS," adhered with hot roofing asphalt.

Membrane: — "Sopralene 180 Sanded" or "Sopralene 250 Sanded," heat fused or adhered with hot roofing asphalt.

Surfacing: — "Cural" Aluminum Roof Coating at 2 gal/sq.

12. Deck: NC

Incline: 1

Insulation (Optional): — Polyisocyanurate, glass fiber perlite, wood fiber, Partek "Paroc Baseboard/Capboard ," any thickness, mechanically fastened or adhered with hot roofing asphalt.

Base Sheet (Optional): — Type G2, "Sopraglass 100," mechanically fastened or adhered with hot roofing asphalt.

Base/Ply Sheet: — Sopralene 180 Sanded", "Sopralene 250 Sanded" or "Sopralene Flame 180," heat fused or adhered with hot roofing asphalt.

Membrane: — "Elastophene FR GR," adhered with hot roofing asphalt; or "Elastophene Flame FR GR," heat fused in place.

Surfacing: — "Cural" Aluminum Roof Coating at 2 gal/sq.

37. Deck: NC

Incline: 1-1/2

Insulation: — Cellular concrete, gypsum concrete, vermiculite concrete, perlite concrete and structural concrete.

Primer: — "Elastocol 600c" applied at 1 gal/sq.

Base Sheet: — "Sopralene Flam Stick" or "EPS Flam Stick" self adhered.

Membrane: — "Sopralene Flam 180 FR GR" or "Sopralene Flam 250 FR GR," heat fused.

52. Deck: NC

Incline: 1/2

Base Sheet (Optional): — One or more plies Type G2, "Sopraglass 100," "Sopra G," "Modified Sopra G" mechanically fastened or adhered with hot roofing asphalt.

Insulation (Optional): — Polyisocyanurate any thickness, 1/2-in. (min) wood fiberboard, 7/16-in. (min) glass fiber or perlite or Rockwool 3/4-in. (min), any combination, mechanically fastened, hot mopped or adhered with any UL Classified insulation adhesive. Optional, top surface primed with either Soprema "Elastocol 600c," "Elastocol 500" (Not UL Classified) or Henry Co. "AquaTac" (Not UL Classified) at 0.5 gal/sq. prior to "Colvent SA" or "Colvent TG" ply sheet being installed.

Barrier Board (Optional): — "SOPRABOARD" 1/8-in. or 3/16-in., glass fiber 7/16-in. (min), perlite or Rockwool 3/4-in. (min), G-P Gypsum Corp. 1/4-in. (min) "DensDeck®," "DensDeck Prime®," or "DensGuard™" or one of the following 1/2-in. (min) fiberboards Temple-Inland "Fiber Base HD," Hubert Brothers "Fiberboard" or International Bildrite "Bildrite Roof board" "Bildrite Roof-Rite," mechanically fastened, hot mopped or adhered with any UL Classified insulation adhesive. Optional, top surface primed with either Soprema "Elastocol 600c," "Elastocol 500" (Not UL Classified) or Henry Co. "AquaTac" (Not UL Classified) at 0.5 gal/sq. prior to "Colvent SA" or self-adhered ply sheets being installed.

Ply Sheet: — One ply "Elastophene Sanded," "Elastophene HD," "Elastophene HR Sanded," "Elastophene HS FR" mechanically fastened or adhered with "SOPRACOLLE," "FM Adhesive," "FM Adhesive (VOC)" or "High Velocity Membrane Adhesive" at 1.5 gal/sq. or hot mopped or "Elastophene Flam," "Elastophene Flam HR," "Elastophene Flam HS FR" heat welded or "Colvent TG" heat welded or "Colvent SA" self-adhered. (Optional, sanded top surface ply sheet is primed with either Soprema "Elastocol 600c," "Elastocol 500" (Not UL Classified) or Henry Co. "AquaTac" (Not UL Classified) at 0.5 gal/sq. prior to Colphene cap sheet being installed).

Membrane: — "Elastophene FR GR," "Elastophene FR+ GR," "Elastophene HD FR GR," "Elastophene HR FR GR," "Elastophene HS FR GR," "Elastophene HP FR GR," "Sopralene 180 FR GR," "Sopralene 250 FR GR" adhered with hot roofing asphalt or Soprema "FM Adhesive," "FM Adhesive (VOC)" or "High Velocity Membrane Adhesive" at 1.5 gal/sq.; "Elastophene Flam FR GR,"

"Elastophene Flam FR+ GR," "Elastophene Flam HD FR GR," "Elastophene Flam HR FR GR," "Elastophene Flam HS FR GR," "Elastophene Flam HP FR GR," "Sopralene Flam 180 FR GR," "Sopralene Flam 180 FR+ GR," "Sopralene Flam 250 FR GR" or "Sopralene Flam 250 FR+ GR" heat welded or "Colphene FR GR" self-adhered.

42. Deck: NC

Incline: 1

Insulation: — Polyisocyanurate, glass fiber, rock wool, perlite or wood fiber, any thickness or any combination, mechanically fastened or adhered with hot roofing asphalt.

Base Sheet: — "Elastophene Sanded," "Elastophene 180 Sanded," "Sopralene 180 Sanded," "Sopralene 250 Sanded," adhered with hot roofing asphalt or "Elastophene Flam," "Sopralene Flam 180," "Sopralene Flam 250," mechanically fastened or heat welded.

Membrane: — "Elastophene FR GR," "Sopralene 180 FR GR" or "Sopralene 250 FR GR," adhered with hot roofing asphalt or "Elastophene Flam FR GR," "Sopralene Flam 180 FR GR," "Sopralene Flam 250 FR GR," "Elastophene FR GR," "Sopralene 180 FR GR" or "Sopralene 250 FR GR," mechanically fastened or heat welded.

Primer: — "RP" NOVA at ½-gal/sq.

Surfacing: — "R" NOVA" or Henry Co. "Henry 280DC" or National Coatings Corp. "Acrylic 500" applied at 2-gal/sq.

44. Deck: NC (concrete)

Incline: 2

Primer: — "Elastocol 600 c" at 1 gal/sq.

Base Sheet: — "EPS Flam Stick," self adhered.

Membrane: — "Colphene HR FR GR," self adhered.

46. Deck: NC (concrete)

Incline: 1-1/2

Primer: — "Elastocol 600 c" at 1 gal/sq.

Base Sheet: — "Sopralene Flam Stick," self adhered.

Membrane: — "Colphene HR FR GR," self adhered.

47. Deck: NC

Incline: 1

Insulation: — Polystyrene, any thickness.

Base Sheet: — "EPS Flam Stick," self adhered.

Membrane: — "Colphene HR FR GR," self adhered.

48. Deck: NC

Incline: 1

Insulation: — Polystyrene, any thickness.

Base Sheet: — Two-ply "EPS Flam Stick," self adhered.

Membrane: — "Sopralene Flam 250 FR + GR" or "Sopralene Flam 180 FR + GR," self fused.

52. Deck: NC

Incline: 1/2

Base Sheet (Optional): — One or more plies Type G2, "Sopraglass 100," "Sopra G," "Modified Sopra G" mechanically fastened or adhered with hot roofing asphalt.

Insulation (Optional): — Polyisocyanurate any thickness, 1/2-in. (min) wood fiberboard, 7/16-in. (min) glass fiber or perlite or Rockwool 3/4-in. (min), any combination, mechanically fastened, hot mopped or adhered with any UL Classified insulation adhesive. Optional, top surface primed with either Soprema "Elastocol 600c," "Elastocol 500" (Not UL Classified) or Henry Co. "AquaTac" (Not UL Classified) at 0.5 gal/sq. prior to "Colvent SA" or "Colvent TG" ply sheet being installed.

Barrier Board (Optional): — "SOPRABOARD" 1/8-in. or 3/16-in., glass fiber 7/16-in. (min), perlite or Rockwool 3/4-in. (min), G-P Gypsum Corp. 1/4-in. (min) "DensDeck®," "DensDeck Prime®," or "DensGuard™" or one of the following 1/2-in. (min) fiberboards Temple-Inland "Fiber Base HD," Hubert Brothers "Fiberboard" or International Bildrite "Bildrite Roof board" "Bildrite Roof-Rite," mechanically fastened, hot mopped or adhered with any UL Classified insulation adhesive. Optional, top surface primed with either Soprema "Elastocol 600c," "Elastocol 500" (Not UL Classified) or Henry Co. "AquaTac" (Not UL Classified) at 0.5 gal/sq. prior to "Colvent SA" or self-adhered ply sheets being installed.

Ply Sheet: — One ply "Elastophene Sanded," "Elastophene HD," "Elastophene HR Sanded," "Elastophene HS FR" mechanically fastened or adhered with "SOPRACOLLE," "FM Adhesive," "FM Adhesive (VOC)" or "High Velocity Membrane Adhesive" at 1.5 gal/sq. or hot mopped or "Elastophene Flam," "Elastophene Flam HR," "Elastophene Flam HS FR" heat welded or "Colvent TG" heat welded or "Colvent SA" self-adhered. (Optional, sanded top surface ply sheet is primed with either Soprema "Elastocol 600c," "Elastocol 500" (Not UL Classified) or Henry Co. "AquaTac" (Not UL Classified) at 0.5 gal/sq. prior to Colphene cap sheet being installed).

Membrane: — "Elastophene FR GR," "Elastophene FR+ GR," "Elastophene HD FR GR," "Elastophene HR FR GR," "Elastophene HS FR GR," "Elastophene HP FR GR," "Sopralene 180 FR GR," "Sopralene 250 FR GR" adhered with hot roofing asphalt or Soprema "FM Adhesive," "FM Adhesive (VOC)" or "High Velocity Membrane Adhesive" at 1.5 gal/sq.; "Elastophene Flam FR GR," "Elastophene Flam FR+ GR," "Elastophene Flam HD FR GR," "Elastophene Flam HR FR GR," "Elastophene Flam HS FR GR," "Elastophene Flam HP FR GR," "Sopralene Flam 180 FR GR," "Sopralene Flam 180 FR+ GR," "Sopralene Flam 250 FR GR" or "Sopralene Flam 250 FR+ GR" heat welded or "Colphene FR GR" self-adhered.

54. Deck: NC

Incline: 1/2

Base Sheet (Optional): — One or more plies Type G2, "Sopraglass 100," "Sopra G," "Modified Sopra G" mechanically fastened or adhered with hot roofing asphalt.

Insulation (Optional): — Polyisocyanurate any thickness, 1/2-in. (min) wood fiberboard, 7/16-in. (min) glass fiber or perlite or Rockwool 3/4-in. (min), any combination, mechanically fastened, hot mopped or adhered with any UL Classified insulation adhesive. Optional, top surface primed with either Soprema

"Elastocol 600c," "Elastocol 500" (Not UL Classified) or Henry Co. "AquaTac" (Not UL Classified) at 0.5 gal/sq. prior to "Colvent SA" or self-adhered ply sheets being installed.

Barrier Board (Optional): — 1/8-in. or 3/16-in. "SOPRABOARD," glass fiber 7/16-in. (min), perlite or Rockwool 3/4-in. (min), G-P Gypsum Corp. 1/4-in. (min) "DensDeck®," "DensDeck Prime®," or "DensGuard®" or one of the following 1/2-in. (min) fiberboards Temple-Inland "Fiber Base HD," Hubert Brothers "Fiberboard" or International Bildrite "Bildrite Roof board" "Bildrite Roof-Rite," mechanically fastened, hot mopped or adhered with any UL Classified insulation adhesive. Optional, top surface primed with either Soprema "Elastocol 600c," "Elastocol 500" (Not UL Classified) or Henry Co. "AquaTac" (Not UL Classified) at 0.5 gal/sq. prior to "Colvent SA" or self-adhered ply sheets being installed.

Ply Sheet: — One ply "Elastophene Sanded," "Elastophene HD," "Elastophene HR Sanded," "Elastophene HS FR," "Elastophene HP," mechanically fastened or hot mopped or "Elastophene Flam," "Elastophene Flam HR," "Elastophene Flam HS FR," heat welded or "Colvent TG" heat welded or "Colvent SA" self-adhered. (Optional, sanded top surface ply sheet is primed with either Soprema "Elastocol 600c," "Elastocol 500" (Not UL Classified) or Henry Co. "AquaTac" (Not UL Classified) at 0.5 gal/sq. prior to Colphene cap sheet being installed).

Membrane: — "Elastophene GR," "Elastophene FR GR," "Elastophene FR+ GR," "Elastophene HD FR GR," "Elastophene HR FR GR," "Elastophene HS FR GR," "Elastophene HP FR GR," "Sopralene 180 FR GR," "Sopralene 250 FR GR" adhered with hot roofing asphalt; "Elastophene Flam GR," "Elastophene Flam FR GR," "Elastophene Flam FR+ GR," "Elastophene Flam HD FR GR," "Elastophene Flam HR FR GR," "Elastophene Flam HS FR GR," "Elastophene Flam HP FR GR," "Sopralene Flam 180 FR GR," "Sopralene Flam 180 FR+ GR," "Sopralene Flam 250 FR GR" or "Sopralene Flam 250 FR+ GR" heat welded or "Colphene FR GR" or self-adhered.

56. Deck: NC

Incline: 1

Base Sheet (Optional): — One or more plies Type G2, "Sopraglass 100," "Sopra G," "Modified Sopra G" mechanically fastened or adhered with hot roofing asphalt.

Insulation (Optional): — Atlas Roofing Products "ACFoam III," Rmax "UltraMax" and Hunter Panels "H-Shield-CG" any thickness or combination, mechanically fastened, hot mopped or adhered with any UL Classified insulation adhesive. Optional, top surface primed with either Soprema "Elastocol 600c," "Elastocol 500" (Not UL Classified) or Henry Co. "AquaTac" (Not UL Classified) at 0.5 gal/sq. prior to "Colvent SA" or self-adhered ply sheets being installed.

Barrier Board (Optional): — 1/8-in. or 3/16-in. "SOPRABOARD," glass fiber 7/16-in. (min), perlite or Rockwool 3/4-in. (min), G-P Gypsum Corp. 1/4-in. (min) "DensDeck®" "DensDeck Prime®" or "DensGuard®" or one of the following 1/2-in. (min) fiberboards Temple-Inland "Fiber Base HD," Hubert Brothers "Fiberboard" or International Bildrite "Bildrite Roof board" "Bildrite Roof-Rite" mechanically fastened, hot mopped or adhered with any UL Classified insulation adhesive. Optional, top surface primed with either Soprema "Elastocol 600c," "Elastocol 500" (Not UL Classified) or Henry Co. "AquaTac" (Not UL Classified) at 0.5 gal/sq. prior to Colvent ply sheet being installed.

Ply Sheet: — One ply "Elastophene Sanded," "Elastophene HD," "Elastophene HR Sanded," "Elastophene HS FR," mechanically fastened or hot mopped or "Elastophene Flam," "Elastophene Flam HR," "Elastophene Flam HS FR," or "Colvent TG" heat welded or "Colvent SA" self-adhered. (Optional, sanded top surfaced ply sheet is primed with either Soprema "Elastocol 600c," "Elastocol 500" (Not UL Classified) or Henry Co. "AquaTac" (Not UL Classified) at 0.5 gal/sq. prior to Colphene cap sheet being installed).

Membrane: — "Elastophene FR+ GR," "Sopralene 180 FR+ GR" or "Sopralene 250 FR+ GR" hot mopped, "Elastophene Flam FR+ GR," "Sopralene Flam 180 FR+ GR" and "Sopralene Flam 250 FR+ GR" heat welded.

58. Deck: NC

Incline: 2

Base Sheet (Optional): — One or more plies Type G2, "Sopraglass 100," "Sopra G," "Modified Sopra G" mechanically fastened or adhered with hot roofing asphalt.

Insulation (Optional): — Atlas Roofing Products "ACFoam III," Rmax "UltraMax" and Hunter Panels "H-Shield-CG," any thickness or combination, mechanically fastened, hot mopped or adhered with any UL Classified insulation adhesive. Optional, top surface primed with either Soprema "Elastocol 600c," "Elastocol 500" (Not UL Classified) or Henry Co. "AquaTac" (Not UL Classified) at 0.5 gal/sq. prior to Colvent ply sheet being installed.

Barrier Board (Optional): — "SOPRABOARD" 1/8-in. or 3/16-in., glass fiber 7/16-in. (min), perlite or Rockwool 3/4-in. (min), min. G-P Gypsum Corp. 1/4-in. (min) "DensDeck®," "DensDeck Prime®," or "DensGuard®" mechanically fastened, hot mopped or adhered with any UL Classified insulation adhesive. Optional, top surface primed with either Soprema "Elastocol 600c," "Elastocol 500" (Not UL Classified) or Henry Co. "AquaTac" (Not UL Classified) at 0.5 gal/sq. prior to Colvent ply sheet being installed.

Ply Sheet: — "Colvent SA" self-adhered or "Colvent TG" heat welded. (Optional, Colvent ply sheet is primed with either Soprema "Elastocol 600c," "Elastocol 500" (Not UL Classified) or Henry Co. "AquaTac" (Not UL Classified) at 0.5 gal/sq. prior to Colphene cap sheet being installed).

Membrane: — "Elastophene FR+ GR," hot mopped, "Elastophene Flam FR+ GR," heat welded.

61. Deck: NC

Incline: 1

Base Sheet (Optional): — One or more plies Type G2, "Sopraglass 100," "Sopra G," "Modified Sopra G" mechanically fastened or adhered with hot roofing asphalt.

Insulation (Optional): — Polyisocyanurate any thickness, 1/2-in. (min) wood fiberboard, 7/16-in. (min) glass fiber or perlite or Rockwool 3/4-in. (min), any combination, mechanically fastened, hot mopped or adhered with any UL Classified insulation adhesive. Optional, top surface primed with either Soprema "Elastocol 600c," "Elastocol 500" (Not UL Classified) or Henry Co. "AquaTac" (Not UL Classified) at 0.5 gal/sq. prior to "Colvent SA" or self-adhered ply sheets being installed.

Barrier Board (Optional): — 1/8-in. or 3/16-in. "SOPRABOARD," glass fiber 7/16-in. (min), perlite or Rockwool 3/4-in. (min), G-P Gypsum Corp. 1/4-in. (min) "DensDeck®," "DensDeck Prime®," mechanically fastened, hot mopped or

adhered with urethane insulation adhesive. Optional, top surface primed with either Soprema "Elastocol 600c," "Elastocol 500" (Not UL Classified) or Henry Co. "AquaTac" (Not UL Classified) at 0.5 gal/sq. prior to "Colvent SA" or self-adhered ply sheets being installed.

Ply Sheet: — One ply "Elastophene Sanded," "Elastophene HD," "Elastophene HR Sanded," "Elastophene HS FR," mechanically fastened or hot mopped or "Elastophene Flam," "Elastophene Flam HR," "Elastophene Flam HS FR," or "Colvent TG" heat welded or "Colvent SA" self-adhered. (Optional, sanded top surfaced ply sheet is primed with either Soprema "Elastocol 600c," "Elastocol 500" (Not UL Classified) or Henry Co. "AquaTac" (Not UL Classified) at 0.5 gal/sq. prior to Colphene cap sheet being installed).

Membrane: — "Elastophene FR GR," "Elastophene FR+ GR," "Elastophene HD FR GR," "Elastophene HR FR GR," "Elastophene HS FR GR," "Elastophene HP FR GR," adhered with hot roofing asphalt; "Elastophene Flam FR GR," "Elastophene Flam HD FR GR," "Elastophene Flam FR+ GR," "Elastophene Flam HR FR GR," "Elastophene Flam HS FR GR," "Elastophene Flam HP FR GR," Sopralene Flam 180 FR+ GR" or "Sopralene Flam 250 FR+ GR" heat welded.

62. Deck: NC

Incline: 2

Base Sheet (Optional): — One or more plies Type G2, "Sopraglass 100," "Sopra G," "Modified Sopra G" mechanically fastened or adhered with hot roofing asphalt.

Insulation (Optional): — Polystyrene, any thickness, mechanically fastened, hot mopped or adhered with any UL Classified insulation adhesive.

Ply Sheet: — One ply "Colvent SA" self-adhered or "Colvent TG" heat welded.

Membrane: — "Elastophene Flam FR+ GR," "Sopralene Flam 180 FR+ GR," "Sopralene Flam 180 FR+ GR" and "Sopralene Flam 250 FR+ GR" heat welded.

63. Deck: NC

Incline: 1

Base Sheet (Optional): — One or more plies Type G1 or Type G2 or "Sopra IV" or "Sopra VI" or "Sopraglass 40" or "Sopraglass 100" or "Sopra G" or "Modified Sopra G" mechanically fastened or adhered with hot roofing asphalt.

Barrier Board (Optional): — 1/8-in. or 3/16-in. "SOPRABOARD" or minimum ¼-in. thick G-P Gypsum Corp. "DensDeck®" or "DensDeck Prime®" or "DensGuard®" mechanically fastened hot mopped or adhered with any UL Classified insulation adhesive.

Insulation (Optional): — EPS or Extruded Polystyrene, any thickness, mechanically fastened, hot mopped or adhered with any UL Classified insulation adhesive.

Barrier Board (Optional): — 1/8-in. or 3/16-in. "SOPRABOARD" or minimum ¼-in. thick G-P Gypsum Corp. "DensDeck®" or "DensDeck Prime®" or "DensGuard®" mechanically fastened hot mopped or adhered with any UL Classified insulation adhesive. Optional, top surface primed with either Soprema "Elastocol 600c" or "Elastocol 500" (Not UL Classified) or Henry Co. "AquaTac"

(Not UL Classified) at 0.5-gal/sq. prior to "Colvent SA" or self-adhered ply sheets being installed.

Ply Sheet: — One ply "Colvent SA" self-adhered or "Colvent TG" heat welded or "Elastophene Flam" or "Elastophene Flam HR" or "Elastophene Flam HS FR" or "Elastophene Flam HP" or "Soprafix" or "Soprafix-e" or "Elastophene 180

Sanded" or "Sopralene 180 Sanded" or "Sopralene Flam 180" or "Soprafix(x)" or "Sopralene 250 Sanded" or "Sopralene Flam 250", mechanically fastened. (Optional, sanded surface ply sheets are primed with either Soprema "Elastocol 600c" or "Elastocol 500" (Not UL Classified) or Henry Co. "AquaTac" (Not UL Classified) at 0.5-gal/sq. prior to Colphene cap sheet being installed).

Membrane: — "Elastophene Flam FR GR" or "Elastophene Flam HD FR GR" or "Elastophene Flam FR+ GR" or "Elastophene Flam HR FR GR" or "Elastophene Flam HS FR GR" or "Elastophene Flam HP FR GR" or "Sopralene Flam 180 FR GR" or "Sopralene Flam 180 FR+ GR" or "Sopralene Flam 250 FR GR" or "Sopralene Flam 250 FR+ GR" heat welded or "Colphene FR GR" self-adhered.

65. Deck: NC

Incline: 1

Base Sheet (Optional): — One or more plies Type G2, "Sopraglass 100," "Sopra G," "Modified Sopra G" mechanically fastened or adhered with hot roofing asphalt.

Insulation (Optional): — Polystyrene, any thickness, mechanically fastened, hot mopped or adhered with urethane insulation adhesive.

Ply Sheet: — One ply "Colvent TG" heat welded or "Colvent SA" self-adhered. Optional, top surface primed with either Soprema "Elastocol 600c," "Elastocol 500" (Not UL Classified) or Henry Co. "AquaTac" (Not UL Classified) at 0.5 gal/sq. prior to optional inner ply being installed.

Inner Ply (Optional): — One ply "Elastophene Flam," "Elastophene Flam HD," "Elastophene Flam HR," "Elastophene Flam HS FR," "Elastophene Flam HP," "Sopralene Flam 180," heat welded or "Colvent TG" heat welded or "Colvent SA" self-adhered.

Membrane: — "Elastophene Flam FR+ GR," "Sopralene Flam 180 FR+ GR," "Sopralene Flam 180 FR+ GR" and "Sopralene Flam 250 FR+ GR" heat welded.

Class A - Mechanically Fastened

1. Deck: NC

Incline: 1

Base Sheet : — Type G2, mechanically fastened

Membrane : — "UniLay," mechanically fastened in the membrane laps

Terms and Conditions: The above-described roof covering assemblies are accepted provided that:

1. Installation shall be in accordance with roof inclines specified for Class A fire-resistance classification.
2. All shipments and deliveries of such material or equipment shall be provided with a tag, suitably placed, certifying that the material or equipment shipped or delivered is equivalent to that tested and accepted for use, as provided in Section 27-131 of the New York City Building Code.

NOTE: In accordance with Section 27-131(d), all materials tested and accepted for use shall be subject to periodic retesting as determined by the Commissioner; and any material which upon retesting is found not to comply with Code requirements or the requirements set forth in the approval of the Commissioner shall cease to be acceptable for the use intended. During the period for such retesting, the Commissioner may require the use of such material to be restricted or discontinued if necessary to secure safety.

Final Acceptance October 10, 2006

Examined By Simon Derkhudin