

TGFU.R5663 - Roofing Systems

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Roofing Systems

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GACO WESTERN L L C

SUITE 202
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SEATTLE, WA 98119 USA

R5663

FLUID APPLIED ROOF COATING SYSTEMS

These coatings are composed of a number of coating applications of plastic roof coatings in which a glass mat may be embedded to form a protective membrane as specified below (minima specified). All roof decks are to be primed with a mixture of one part neoprene coating to two parts solvent (1/3 to 1/2 gal/sq). The quantity of primer should be sufficient to flow into all voids and cracks on the surface. To bridge joints and cracks, a polyester or glass fiber tape is to be applied over one application of a neoprene coating. A heavy coat of neoprene coating is then used to completely seal the tape.

Coatings can be provided in different colors which are identified by different suffix numbers after the "H" or "N" designation.

"Ure-Shield 6006 BC" can be used wherever "Ure-Shield 6006" is currently listed below.

Class A

1. **Deck:** NC **Incline:** 3
Coating: — Two applications "Gacoflex Neoprene N-1400 Series", 1-1/2 gal/sq/application.
Surfacing: — Two applications "Gacoflex Hypalon H-22 Series", 3/4 gal/sq/application.
2. **Deck:** NC **Incline:** 1
Coating: — Two applications "Gacoflex Neoprene N-1400 Series", 1-1/2 gal/sq/application.
Surfacing: — "Gacoflex Hypalon H-22 Series", 30 lb/sq trowel applied.
3. **Deck:** C 15/32 **Incline:** 2
Coating: — "Gacoflex LM-60H or LM-60V", 4 gal/sq.

Insulation: — One or more layers Dow Chemical "Styrofoam RM, PD, SM, TG" or "Styririb", any thickness.

Surfacing: — Crushed stone or river bottom stone, 3/4 to 1-3/4 in. diameter, 900 lbs/sq, concrete blocks weighing not less than 10 lb/sq and spread not more than 1/8 in. apart or Styrofoam panels surfaced with 3/8 in. minimum concrete mortar panels butted together. Optional, 2 oz/sq yd scrim "Fabrene", "International Paper D689" or "Rufon Polypropylene Scrim" (not Classified) may be applied between the insulation and crushed stone or concrete blocks.

4. **Deck:** NC

Incline: 1/4

All joints are blocked and covered with a 4 in. wide spun-bonded polyester tape and a stripe coat of "Gacoflex U-66 Series" (various colors).

Base Coat: — "Gacoflex U-66 Series" (various colors), 1 gal/sq.

Surfacing: — "Gacoflex U-66 Series" (various colors), 2 to 2-1/2 gal/sq into which is embedded crushed walnut shells (20-40 mesh size) at 8 lbs/sq.

Top Coat (Optional): — "Gacoflex U-66 Series" (various colors), 1/2 gal/sq.

5. **Deck:** NC

Incline: 1/4

Base Coat: — "Gacoflex U-66 Series" (various colors) coating, applied at 1 gal/sq.

Ply Sheet: — One ply of nonwoven fiberglass mat, applied into the wet base coat of "Gacoflex U-66 Series" (various colors) coating.

Top Coat: — "Gacoflex U-66 Series" (various colors) coating, applied at 2 gal/sq.

Surfacing: — Into the wet top coat, crushed walnut shells are broadcast, applied at 7 lb/sq.

Top Coat (Optional): — "Gacoflex U-66 Series" (Various colors), 1/2 gal/sq.

6. **Deck:** NC

Incline: 2

Base Coat: — Two applications "Gaco Deck® Kit" (various colors), at 1-1/4 gal/sq/application.

Surfacing: — Into the wet base coat, crushed walnut shells are broadcast, applied at 8 lb/sq.

Top Coat: — Two applications "Gaco Deck® Kit" (various colors), applied at 1 gal/sq/application.

7. **Deck:** NC

Incline: 2

Scrim: — One ply 6 x 6 reinforced fiberglass mesh, loose laid or mechanically fastened.

Base Coat: — "Gacoflex A-52 Series" (various colors) coating, trowel applied at 3-1/2 gal/sq.

Base Coat: — Two applications "Gaco Deck® Kit" (various colors) coating, applied at 1-1/2 gal/sq.

Surfacing: — Into the wet base coat, crushed walnut shells are broadcast, applied at 8 lb/sq.

Top Coat: — Two applications "Gaco Deck® Kit" (various colors) coating, at 1 gal/sq/application.

8. **Deleted.**

9. **Deleted.**

10. **Deck:** NC

Incline: 3/4

Scrim: — One ply 6 x 6 reinforced fiberglass mesh, loose laid or mechanically fastened.

Base Coat: — "Gacoflex A-52 Series" (various colors) coating, trowel applied at 14.3 L/10m².

Base Coat: — Two applications "Gaco Deck® Kit" (various colors) coating, applied at 6.1 L/10m².

Surfacing: — Into the wet base coat, crushed walnut shells are broadcast, applied at 3.9 kg/10m².

Top Coat: — Two applications "Gaco Deck® Kit" (various colors) coating, at 4.1 L/10m²/application

Class B

1. **Deck:** NC

Incline: No limitation

Base Coat: — Two applications "Gacoflex Neoprene N-1400 Series", 1-1/2 gal/sq/application.

Surfacing: — Two applications "Gacoflex Hypalon H-22 Series", 3/4 gal/sq/application.

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

Incline: 1

*All deck joints blocked with 2 x 4's and all exposed surface deck joints have a nom 1/8 in. diameter bead of exterior latex acrylic caulk applied and struck flush.

Joint Treatment: — 4 in. wide spun bonded polyester mat is embedded into a 6 in. wide stripe coat of "Gacoflex A-56 Series" coating.

Scrim: — One ply 6 x 6 reinforcing fiberglass mesh, loose laid or mechanically fastened.

Base Coat: — "Gacoflex A-52 Series" (various colors) coating, trowel applied at 3-1/2 gal/sq.

Base Coat: — Two applications "Gaco Deck® Kit" (various colors) coating, applied at 1-1/2 gal/sq/application.

Surfacing (Optional): — Into the wet base coat, crushed walnut shells are broadcast, applied at 8 lb/sq.

Top Coat: — Two applications "Gaco Deck® Kit" (various colors) coating, at 1 gal/sq/application.

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

Incline: 1/4

*All deck joints blocked with 2 x 4's and all exposed surface deck joints have a nom 1/8 in. diameter bead of exterior latex acrylic caulk applied and struck flush.

Base Coat: — "Gacoflex U-66 Series" (various colors), applied at 1 gal/sq.

Ply Sheet: — One ply of nonwoven fiberglass mat, applied into the wet base coat of "Gacoflex U-66 Series" (various colors) coating.

Top Coat: — "Gacoflex U-66 Series" (various colors) coating, applied at 2 gal/sq.

Surfacing (Optional): — Into the wet top coat, crushed walnut shells are broadcast, applied at 7 lb/sq.

Top Coat (Optional): — "Gacoflex U-66 Series" (various colors), 1/2 gal/sq.

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

Incline: 1/4

*All deck joints blocked with 2 x 4's and all exposed surface deck joints have a nom 1/8 in. diameter bead of exterior latex acrylic caulk applied and struck flush.

Joint Treatment: — 4 in. wide spun bonded polyester mat is applied into a wet strip coat application of "Gacoflex A-56 Series" (various colors) coating.

Base Coat: — Two applications "Gaco Deck® Kit" (various colors) coating, at 1 gal/sq/application.

Surfacing (Optional): — Into the wet base coat, crushed walnut shells are broadcast, applied at 8 lb/sq.

Top Coat: — Two applications "Gaco Deck® Kit" (various colors), applied, at 1 gal/sq/application.

5. **Deck:** NC

Incline: 1/4

Joint Treatment: — 4 in. wide spun bonded polyester mat is applied into a wet stripe coat application of "Gaco Deck® Kit" (various colors) coating.

Base Coat: — Two applications "Gaco Deck® Kit" (various colors) coating, at 3/4 gal/sq/application.

Surfacing (Optional): — Into the wet base coat, crushed walnut shells are broadcast, applied at 8 lb/sq.

Top Coat: — Two applications "Gaco Deck® Kit" (various colors) coating, at 3/4 gal/sq/application.

Class C

1. **Deck:** C 3/8

Incline: 1/2

Base Coat: — Two applications "Gacoflex Neoprene N-1400 Series", 1-1/2 gal/sq/application.

Surfacing: — Two applications "Gacoflex Hypalon H-22 Series", 3/4 gal/sq/application.

2. **Deck:** C 5/8

Incline: 1

Coating: — Two applications "Gacoflex Neoprene N-1400 Series", 1-1/2 gal/sq/application.

Surfacing: — "Gacoflex Hypalon H-22 Series", 30 lb/sq, trowel applied.

SPRAY APPLIED FOAM AND COATING SYSTEMS

Class A

1. **Deck:** NC

Incline: 2

Insulation: — "Polyfoam 273" or "GacoRoof Foam 2733", any thickness.

Coating: — Any of the following-
"Ure-Shield 6006 applied at 1 1/2-gal/sq.

"Ure-Cap 68" (various colors) Series coating, applied at 1-1/4 to 1-3/8-gal/sq

"Gacoflex UA-65 Series" (various colors), applied 1-gal./sq.

"Gacoflex UB-64," applied at 1-gal/sq (12 to 24 dry mils).

"Gacoflex A-5511Q," applied at 1 1/2-gal/sq (13 to 25 dry mils).

"Gacoflex A-5500Q" Series, applied at 1 1/2-gal/sq (13 dry mils).

"Gacoflex U-66," applied at 1-gal/ sq. (12 dry mils).

"Gacoflex UA-60" Series (various colors), applied 1-gal/sq (15 dry mils).

"GacoSil S-1000 Series", "GacoSil S-1600 Series", "GacoRoof" or "GacoElastomeric GSE1500", applied at 1-gal/sq (10 dry mils).

"Gacoflex A-3200" series (various colors), applied at 1 1/2-gal/sq (14 dry mils).

Surfacing: — Gravel, loose laid

2. **Deck:** NC

Incline: 1-1/2

Foam: — BASF "Elastospray 1409, 1270, 1270II, 1302, 1451, 1570, 1605, 1620 or 2001", 1 in. minimum.

Surfacing: — Two applications "Gacoflex U-66 Series" (various colors), 1 gal/sq/application.

3. **Deleted.**

4. **Deck:** NC

Incline: 1

Foam: — North Carolina Foam Industries "#774", 1 in. min.

Surfacing: — Three applications "Gacoflex U-66 Series" (various colors), 1 gal/sq/application.

5. **Deleted.**

6. **Deck:** NC

Incline: 1/4

Foam: — Foam Enterprises "FE800A/FE302-2.5F" or North Carolina Foam Industries "#584", 1 in. minimum.

Base Coat: — "Gacoflex UB-64", 1-1/2 to 3 gal/sq.

Surfacing: — "Gacoflex U-66 Series" (various colors), 1 gal/sq.

7. **Deck:** NC

Incline: 2

Foam: — Foam Enterprises "FE800A/FE302-2.5F", North Carolina Foam Industries "#584" or IPI "Isofoam SS-1070", 1 in. minimum.

Base Coat: — "Gacoflex UB-64", 1-1/2 to 3 gal/sq.

Top Coat: — "Gacoflex U-66 Series" (various colors), 1 gal/sq.

Surfacing: — No. 11 granules at 50 lb/sq.

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21. **Deck:** NC

Incline: 2

Foam: — SWD Urethane "SWD 525b", 1 in. minimum.

Base Coat: — One or two applications "Gacoflex Ure-Shield 6006", applied at 1.35 gal/sq/application (14-28 dry mils).

Top Coat: — "Gacoflex Ure-Shield 6006", applied at 1-1/2 gal/sq (16 dry mils).

Surfacing (Optional): — #11 ceramic coated roof granules, applied at 50 lbs/sq.

22. **Deck:** NC

Incline: 3

Foam: — SWD Urethane "SWD 525b", 1 in. minimum.

Base Coat: — One or two applications "Gacoflex Ure-cap 6800" Series, applied at 1-1/4 gal/sq/application (14-28 dry mils).

Top Coat: — SWD Urethane Co. "SWD 1929F", applied at 1-1/2 gal/sq (12 dry mils).

Surfacing (Optional): — #11 ceramic coated roof granules, applied at 50 lbs/sq.

23. **Deck:** NC

Incline: 2

Foam: — SWD Urethane Co. "SWD 525b", 1 in. minimum.

Base Coat: — One or two applications "Gacoflex Ure-Cap 6800" Series, applied at 1-1/4 gal/sq/application (14-28 dry mils).

Top Coat: — "Gacoflex Ure-Cap 6800" Series, at 1-1/4 gal/ sq. (14 dry mils).

Surfacing (Optional): — #11 ceramic coated roof granules, applied at 50 lb/sq (12 dry mils).

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- 35. Deleted.
- 36. Deleted.
- 37. Deleted.

38. **Deck:** NC

Incline: 2

Primer (Optional): — "Gaco Primer", (not UL classified).

Base Coat — "GacoSil S-1600", "GacoRoof" or "GacoElastomeric GSE1500", at 1 gal sq.

Top Coat: — "GacoSil S-1600", "GacoRoof" or "GacoElastomeric GSE1500" at 1 gal sq.

Surfacing (Optional): — Roofing granules applied at 30 to 35 lbs sq.

39. **Deck:** NC

Incline: 2

Foam: — "Polyfoam 273" or "GacoRoof Foam 2733", 2 inches maximum

Base Coat: — "GacoFlex S-1000 Series", "GacoSil S-1600 Series" or "GacoElastomeric GSE1500" at 1.1 gal sq.

Top Coat: — "GacoFlex S-1000 Series", "GacoSil S-1600 Series" or "GacoElastomeric GSE1500" at 1.1 gal sq.

Surfacing (Optional): — Roofing granules applied at 30 lbs. sq.

40. **Deck:** NC

Incline: 1/4

Foam: — Polyfoam 273" or "GacoRoof Foam 2733", 2 inches thick.

Base Coat: — "U-62", 1.25 gal/sq.

Second Base Coat: — "U-62", 0.75 gal/sq. (Optional walnut shells at 8 -10 lbs sq.)

Surfacing: — "U-62", 0.75 gal/sq.

41. **Deck:** NC

Incline: 1/4

Foam: — "Polyfoam 273" or "GacoRoof Foam 2733", 2 inches thick.

Base Coat: — "UB-8380", 1.5 gal/sq.

Top Coat: — "S-10 Series", 1.5 gal/sq.

Surfacing (Optional): — No. 11 roofing granules applied at 50 lbs. per sq.

42. **Deck:** NC

Incline: 3/4

Foam: — "Polyfoam 273" or "GacoRoof Foam 2733", 2 inches thick.

Base Coat: — "U-6006", 3.5 gal/sq. (Three applications at 1.16 gals/sq.)

Second Base Coat: — "U-6006", 0.85 gal/sq.

Surfacing: — "U-6006", 0.85 gal/sq. (Optional No. 11 roofing granules at 30 lbs./sq.)

43. **Deck:** NC

Incline: 1-1/4

Foam: — "Polyfoam 273" or "GacoRoof Foam 2733", 2 inches thick.

Base Coat: — "A 32 Series", 1.5 gal/sq.

Surfacing: — "A 32 Series", 1.5 gal/sq.

44. Deck: NC**Incline:** 1-1/4**Foam:** — "Polyfoam 273" or "GacoRoof Foam 2733", 2 inches thick.**Base Coat:** — Conklin Co. Inc. "Conklin Benchmark", 1.9 gal/sq.**Surfacing:** — Conklin Co. Inc. "Conklin Benchmark", 1.9 gal/sq.**45. Deck:** NC**Incline:** 2**Base Coat:** — "A-38 Series", 0.75 gal/sq.**Second Base Coat:** — "A-38 Series", 0.75 gal/sq.**Wear Coat:** — "A-38 Series", 0.75 gal/sq plus walnut shells at 0.75 lbs per sq.**Surfacing:** — "A-38 Series", 0.75 gal/sq plus walnut shells at 0.75 lbs per sq.**46 Deck:** NC**Incline:** 3/4**Foam:** — Spray application of 2-in. thick "Polyfoam 273" or "GacoRoof Foam 2733" (2.7 lb/ft.³)**Surfacing:** — Spray application of 28 to 34-mils "U-8730" (aluminum)**47 Deck:** NC**Incline:** 1/2**Insulation:** — Spray application of 2-in. thick "Polyfoam 273" or "GacoRoof Foam 2733" (2.7 lb/ft.³)**Surfacing:** — Spray application of 28 to 34-mils "U-8782" (ivory)**48. Deck:** NC**Incline:** 11/2**Insulation:** — Spray application of 2-in. thick "Polyfoam 273" or "GacoRoof Foam 2733".**Base Coat:** — "A3100R Acrylic Top Coat" or "A3111R Acrylic Base Coat" applied at 1.13-gal/100-ft.²**Intermediate Coat:** — "A3100R Acrylic Top Coat" or "A3111R Acrylic Base Coat" applied at 1.13-gal/100-ft.²**Top Coat:** — "A3100R Acrylic Top Coat" applied at 1.13-gal/100-ft.²**Surfacing (optional):** — Broadcast application of No. 11 ceramic coated granules applied at a rate of 30 to 50-lbs/100-ft.²**49. Deck:** NC**Incline:** 3/4**Base Foam (Optional):** — "PolyFoam 193," any thickness.**Surface Foam:** — "Polyfoam 273" or "GacoRoof Foam 2733", 1 inch minimum**Base Coat:** — "GacoFlex A-3200R Series" applied at 1.5 gal/100-ft²**Top Coat:** — "GacoFlex A-3200R Series" applied at 1.5 gal/100-ft²**Surfacing (optional):** — Broadcast application of No. 11 ceramic coated granules applied at a rate of 30 to 50-lbs/100-ft.²**50. Deck:** NC**Incline:** 13/4**Insulation:** — "Polyfoam 273" or "GacoRoof Foam 2733", any thickness.**Base Coat:** — "GacoFlex S-2000 Series" or "GacoRoofUltra GR 2800 Series" applied at 3/4-gal/100-ft²**Top Coat:** — "GacoFlex S-2000 Series," applied at 3/4-gal/100-ft²**Surfacing (optional):** — Broadcast application of No. 11 ceramic coated granules applied at a rate of 30-lbs/100-ft.²**51. Deck:** NC**Incline:** 2**Insulation:** — "GacoRoof Foam 2733", any thickness.**Base Coat:** — "GacoFlex S-2100 Series" applied at 3/4-gal/100-ft².

Top Coat: — "GacoFlex S-2100 Series," applied at 3/4-gal/100-ft².

Surfacing (optional): — Broadcast application of No. 11 ceramic coated granules applied at a rate of 30-lbs/100-ft².

52. **Deck:** NC

Incline: 2

Insulation: — "GacoRoof Foam 2733", any thickness.

Base Coat: — "GacoFlex S-4200 Series" applied at 1.5 gal/100 ft².

Top Coat: — "GacoFlex S-4200 Series," applied at 1.5 gal/100 ft².

Surfacing (optional): — Broadcast application of No. 11 ceramic coated granules applied at a rate of 30-50 lbs/100 ft².

53. **Deck:** NC

Incline: 1/4

Foam: — "Polyfoam 251" or "Polyfoam 303", 25 mm min.

Base Coat: — One or two applications "Gacoflex UB-7050", applied at 4.1 L/10m²/application (16-32 dry mils).

Surfacing: — "Gacoflex UA-65", applied at 4.1 L/10m²/application (12 dry mils).

54. **Deck:** NC

Incline: 1/4

Foam: — "Poly-Iso" or "Poly-Iso Special" with "Polyfoam 251" or "Polyfoam 303", 25 mm min.

Base Coat: — One or two applications "Gacoflex UB-7050", applied at 4.1 L/10m²/application or three applications, applied 5.1 L/10m²/application (16-32 dry mils).

Surfacing : — "Gacoflex UA-65" Series (various colors), applied 4.1 L/10m² (12 dry mils).

55. **Deck:** NC

Incline: 1/2

Foam: — "Poly-Iso" or "Poly-Iso Special" with "Polyfoam 251" or "Polyfoam 303", 25 mm min.

Base Coat: — One or two applications "Gacoflex UB-7050", applied at 4.1 L/10m²/application or three applications, applied 5.1 L/10m²/application (16-32 dry mils).

Surfacing: — "Gacoflex UA-60" Series (various colors), applied 4.1 L/10m² (15 dry mils).

56. **Deck:** NC

Incline: 1

Foam: — "Polyfoam 251" or "Polyfoam 303", any thickness.

Surfacing: — "Gacoflex Ure-Shield 7007", 40 dry mils.

57. **Deck:** NC

Incline: 2

Foam: — "Polyfoam 275", any thickness.

Base Coat: — "Gacoflex A-6211", 6.1 L/10m² (14 dry mils).

Surfacing: — "Gacoflex A-6200" series (various colors), 6.1 L/10m² (14 dry mils).

58. **Deck:** NC

Incline: 2

Foam: — Polyfoam 251, "Polyfoam 275" or "Polyfoam 303", any thickness.

Base Coat: — One or two applications "Gacoflex UB-7050", applied at 4.1 L/10m²/application (16-32 dry mils).

Surfacing: — One application of "Gacoflex A-55 Series" (various colors), applied at 6.1 L/10m². (15 dry mils).

59. **Deck:** NC

Incline: 1

Insulation: — "GacoRoof Foam 2733", any thickness.

Base Coat: — "GacoFlex A-4600 Series" applied at 1.5 gal/100 ft².

Top Coat: — "GacoFlex A-4600 Series," applied at 1.5 gal/100 ft².

Surfacing (optional): — Broadcast application of No. 11 ceramic coated granules applied at a rate of 30-50 lbs/100 ft².

60. **Deck:** NC

Incline: 3/4

Insulation: — "GacoRoof Foam 2733", any thickness.

Base Coat: — "GacoFlex A-4700 Series" applied at 1.5 gal/100 ft².

Top Coat: — "GacoFlex A-4700 Series," applied at 1.5 gal/100 ft².

Surfacing (optional): — Broadcast application of No. 11 ceramic coated granules applied at a rate of 30-50 lbs/100 ft².

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