

TGFUC.R5663 - BUILT-UP ROOF COVERING MATERIALS

Built-Up Roof Covering Materials

See General Information for Built-Up Roof Covering Materials

GACO WESTERN L L C

R5663

SUITE 202

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SEATTLE, WA 98119 USA

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 (1.4 to 2.0 L/10m²). 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 fibre 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.

Class A

1. **Deck:** NC

Incline: 1:4 max

Coating: — Two applications "Gacoflex Neoprene N-1400 Series", 6.1 L/10m²/application.

Surfacing: — Two applications "Gacoflex Hypalon H-22 Series", 3.1 L/10m²/application.

2. **Deck:** NC

Incline: 1:12 max

Coating: — Two applications "Gacoflex Neoprene N-1400 Series", 6.1 L/10m²/application.

Surfacing: — "Gacoflex Hypalon H-22 Series", 14.7 L/10m² trowel applied.

3. **Deck:** C-12 mm Thick Plywood Deck

Incline: 1:6 max

Coating: — "Gacoflex LM-60H or LM-60V", 16.3 L/10m².

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

Surfacing: — Crushed stone or river bottom stone, 19 to 44 mm dia, 440 kg/10m², concrete blocks weighing not less than 4.9 kg/10m² and spread not more than 3.2 mm apart or Styrofoam panels surfaced with 9.5 mm min concrete mortar panels butted together. Optional, 0.07 kg/m² 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: 1:48 max

All joints are blocked and covered with a 100 mm wide spun-bonded polyester tape and a stripe coat of "Gacoflex U-66 Series" (various colors).

Base Coat: — "Gacoflex U-66 Series" (various colors), 4.1 L/10m².

Surfacing: — "Gacoflex U-66 Series" (various colors), 2 - 10.2 L/10m² into which is embedded crushed walnut shells (20-40 mesh size) at 3.9 kg/10m².

Top Coat: — (Optional) "Gacoflex U-66 Series" (various colors), 2.0 L/10m².

5. **Deck:** NC

Incline: 1:48 max

Base Coat: — "Gacoflex U-66 Series" (various colors) coating, applied at 4.1 L/10m².

Ply Sheet: — One ply of non-woven fibreglass 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 8.1 L/10m².

Surfacing: — Into the wet top coat, crushed walnut shells are broadcast, applied at 3.4 kg/10m².

Top Coat: — (Optional) "Gacoflex U-66 Series" (Various colors), 2.0 L/10m².

6. Deck: NC**Incline:** 1:6 max**Base Coat:** — Two applications "Gaco Deck® Kit" (various colors), at 5.1 L/10m²/application.**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), applied at 4.1 L/10m²/application.**7. Deck:** NC**Incline:** 1:16 max**Scrim:** — One ply 6 x 6 reinforced fibreglass 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.**8. Deck:** NC**Incline:** 1:16 max**Foam:** — "Polyfoam 251" or "Polyfoam 303", 25 mm min.**Base Coat:** — Two applications "Gacoflex Ure-Cap 68 Series" at 5.1 L/10m²/application (28 dry mils total).**Surfacing:** — "Ure-Shield 6006" at 6.1 L/10m² (per 15 dry mils).**Class B****1. Deck:** NC**Incline:** Unlimited**Base Coat:** — Two applications "Gacoflex Neoprene N-1400 Series", 6.1 L/10m²/applicatio.**Surfacing:** — Two applications "Gacoflex Hypalon H-22 Series", 3.1 L/10m²/application.**2. Deck:** C-12 mm Thick Plywood Deck**Incline:** 1:12 max

All deck joints blocked with 2 x 4's and all exposed surface deck joints have a nom 3.2 mm dia bead of exterior latex acrylic caulk applied and struck flush.

Joint Treatment: — 100 mm wide spun bonded polyester mat is embedded into a 150 mm wide stripe coat of "Gacoflex A-56 Series" coating.**Scrim:** — One ply 6 x 6 reinforcing fibreglass 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/application.**Surfacing:** — (Optional) 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.**3. Deck:** C-12 mm Thick Plywood Deck**Incline:** 1:48 max

All deck joints blocked with 2 x 4's and all exposed surface deck joints have a nom 3.2 mm dia bead of exterior latex acrylic caulk applied and struck flush

Base Coat: — "Gacoflex U-66 Series" (various colors), applied at 4.1 L/10m².**Ply Sheet:** — One ply of non-woven fibreglass 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 8.1 L/10m².**Surfacing:** — (Optional) Into the wet top coat, crushed walnut shells are broadcast, applied at 3.4 kg/10m².**Top Coat:** — (Optional) "Gacoflex U-66 Series" (various colors), 2.0 L/10m².**4. Deck:** C-12 mm Thick Plywood Deck**Incline:** 1:48 max

All deck joints blocked with 2 x 4's and all exposed surface deck joints have a nom 3.2 mm dia bead of exterior latex acrylic caulk applied and struck flush

Joint Treatment: — 100 mm 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 4.1 L/10m²/application.**Surfacing:** — (Optional) 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), applied, at 4.1 L/10m²/application.**Class C****1. Deck:** C-9.5 mm Thick Plywood Deck**Incline:** 1:24 max**Base Coat:** — Two applications "Gacoflex Neoprene N-1400 Series", 6.1 L/10m²/application.**Surfacing:** — Two applications "Gacoflex Hypalon H-22 Series", 3.1 L/10m²/application.

2. **Deck:** C-16 mm Thick Plywood Deck **Incline:** 1:12 max
Base Coat: — Two applications "Gacoflex Neoprene N-1400 Series", 6.1 L/10m²/application.
Surfacing: — "Gacoflex Hypalon H-22 Series", 14.7 kg/10m², trowel applied.
 Spray Applied Foam And Coating Systems:

Unless otherwise indicated, "Polyfoam 275" is an acceptable alternate to "Polyfoam 251" and "Polyfoam 303" when applied over noncombustible roof decks only.

Class A

1. **Deck:** NC **Incline:** 1:6 max
Foam: — "Poly-Iso" or "Poly-Iso Special" with "Polyfoam 303" or "Polyfoam 251", 25 mm min.
Coating: — Two applications "Ure-Shield 6006", 6.1 L/10m²/application.
Surfacing: — Surfacing: No. 11 granules at 24.5 kg/10m².

2. **Deck:** NC **Incline:** 1:48 max
Foam: — "Poly-Iso" or "Poly-Iso Special" with "Polyfoam 251" or "Polyfoam 303", 25 mm min.
Surfacing: — Two applications "Ure-Shield 6006", 6.1 L/10m²/application.

3. **Deck:** NC **Incline:** 1:4 max
Foam: — "Poly-Iso" or "Poly-Iso Special" with "Polyfoam 251" or "Polyfoam 303", 25 mm min.
Base Coat: — General Electric "SCM 3308", 8.1 L/10m².
Surfacing: — General Electric "SCM 3304", 8.1 L/10m².

4. **Deck:** NC **Incline:** 1:3 max
Foam: — "Poly-Iso" or "Poly-Iso Special" with "Polyfoam 251" or "Polyfoam 303", 25 mm min.
Base Coat: — General Electric "SCM 3308", 8.1 L/10m².
Top Coat: — General Electric "SCM 3304", 8.1 L/10m².
Surfacing: — #11 granules, 24.5 kg/10m².

5. **Deck:** NC **Incline:** 1:16 max
Foam: — "Poly-Iso" or "Poly-Iso Special" with "Polyfoam 251" or "Polyfoam 303", 25 mm min.
Top Coat: — Two applications "Ure-Cap 68" (various colors) Series coating, applied at 5.6 L/10m²/application or three applications, applied at 5.1 L/10m²/application.
Top Coat: — (Optional): "Gacoflex UA-65 Series" (various colors) coating, applied at 4.1 L/10m².

6. **Deck:** NC **Incline:** 1:6 max
Foam: — "Polyfoam 251" or "Polyfoam 303", 25 mm min.
Base Coat: — One or two applications "Gacoflex UB-64", 4.1 L/10m²/application (12-24 dry mils).
Surfacing: — One application "Gacoflex UA-65 Series", 4 L/10m² (12 dry mils).

7. **Deck:** NC **Incline:** Unlimited
Foam: — "Polyfoam 251" or "303", 25 mm min.
Base Coat: — One or two applications "Gacoflex A-5700 Series", at 7.1 L/10m²/application (14.5-29 dry mils total).
Surfacing: — "Gacoflex A-5700 Series", at 6.1 L/10m² (12.5 dry mils).

8. **Deck:** NC **Incline:** 1:48 max
Foam: — "Polyfoam 251" or "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: — "URE-Shield 6006" at 6.1 L/10m² (15 dry mils).

9. **Deck:** NC **Incline:** 1:16 max
Foam: — "Polyfoam 251" or "Polyfoam 303", 25 mm min.
Base Coat: — Two applications "Gacoflex Ure-Cap 68 Series", at 5.1 L/10m²/application (28 dry mils total).
Surfacing: — "Ure-Shield 6006", at 6.1 L/10m² per (15 dry mils).

10. **Deck:** NC **Incline:** 1:6 max

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

Base Coat: — One or two applications "Gacoflex A-5511Q", at 6.1 L/10m² application (13-25 dry mils).

Surfacing: — One application "Gacoflex A-5500Q" Series, at 6.1 L/10m² (13 dry mils).

11. **Deck:** NC

Incline: 1:48 max

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

Base Coat: — One or two applications "Gacoflex UB-64", applied at 4.9 L/10m²/application (14-28 dry mils).

Surfacing: — "Gacoflex U-66", applied at 4.1 L/10m²/application (12 dry mils).

12. **Deck:** NC

Incline: 1:48 max

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).

13. **Deck:** NC

Incline: 1:8 max

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

Base Coat: — One or two applications "Gacoflex UB-6499", applied at 4.9 L/10m²/application (14-28 dry mils).

Surfacing: — "Gacoflex A-5500Q", applied at 6.1 L/10m²/application (14 dry mils).

14. **Deck:** NC

Incline: 1:48 max

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

Top Coat: — Two Applications "Ure-Cap 68" Series coating (various colors), applied at 5.6 L/10m²/application or three applications, applied 5.1 L/10m²/application.

Top Coat: — (Optional): "Gacoflex UA-65" Series (various colors), applied at 4.1 L/10m² or "Gacoflex UA-60", applied at 5.1 L/10m² (12 dry mils).

15. **Deck:** NC

Incline: 1:48 max

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

Base Coat: — One or two applications "Gacoflex UB-64", 4.1 L/10m²/application (12-24 dry mils).

Surfacing: — "Gacoflex UA-65" Series 4.1 L/10m² or "Gacoflex UA-60", applied at 5.1 L/10m² (12 dry mils).

16. **Deck:** NC

Incline: 1:48 max

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).

17. **Deck:** NC

Incline: 1:24 max

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).

18. **Deck:** NC

Incline: 1:6 max

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

Base Coat: — "GacoSil S-1000", applied at 4.1 L/10m² (10 dry mils).

Surfacing: — "Gacoflex S-1000", applied at 4.1 L/10m² (10 dry mils).

19. **Deck:** NC

Incline: 1:12 max

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

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

20. **Deck:** NC

Incline: 1:6 max

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).

21. **Deck:** NC

Incline: 1:6 max

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).

22. **Deck:** NC

Incline: 1:48 max

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

Base Coat: — "Gacoflex UB-64," applied at 6.1 L/10m². (18 dry mils).

Trowel Coat: — 30/60 mesh crushed walnut shells mixed at a rate of 600 g/L with "Gacoflex UB-64," applied at 6.1 L/10m² or "Gacoflex UB-64", applied at 6.1 L/10m² (18 dry mils), followed by the broadcast application of 30/60 mesh crushed walnut shells applied at 3.4-3.9 kg/10m².

Surfacing: — "Gacoflex U-66", applied at 2.0 L/10m². (6 dry mils).

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