Roofing Systems, Uplift Resistance

See General Information for Roofing Systems, Uplift Resistance

NCFI POLYURETHANES
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R7280

SPRAY APPLIED FOAM AND COATING SYSTEMS

1. **Uplift Resistance:** 160 psf
Deck: — Minimum 15/32-in. thick APA rated plywood sheathing, concrete (pre-cast, panel, poured-in-place, cellular lightweight concrete (LWC), vermiculite, perlite, or gypsum.
Insulation: — Two component, "10-011", "10-013", "10-014", spray applied foamed plastic insulation, 1-in. thick minimum.
Roof Coatings: — Fluid applied base and top coating or gravel surfacing systems, applied in accordance with specified combinations and Classified as Roofing Systems (TGFU).

2. **Uplift Resistance:** 165 psf
Deck: — Steel, minimum 26 MSG, concrete (pre-cast, panel, poured-in-place, cellular lightweight concrete (LWC), vermiculite, perlite, or gypsum.
Insulation: — Two component, "10-011", "10-013", "10-014", spray applied foamed plastic insulation, 1-in. thick v.
Roof Coatings: — Fluid applied base and top coating or gravel surfacing systems, applied in accordance with specified combinations and Classified as Roofing Systems (TGFU).

3. **Uplift Resistance:** 90 psf
Deck: — Steel, min 22 MSG.
Insulation (Optional): — Any combination, any thickness of Classified polyisocyanurate, polystyrene, wood fiber or perlite.
Cover Board: — Minimum 1/2-in. thick Classified high density wood fiber board.
Fasteners: — Minimum No. 14 steel screws with 2-7/8 in diameter 26 g galvanized steel plates. A total of 8 screws per 4-ft. by 4-ft. cover board.
Membrane: — Hot-mopped or cold applied built-up roof. Gravel surface removed for recover of existing built-up roof.
Insulation: — Two component, "10-011", spray applied foamed plastic insulation, 1-in. thick minimum.
Roof Coatings: — Fluid applied base and top coating or gravel surfacing systems, applied in accordance with specified combinations and Classified as Roofing Systems (TGFU).

4. **Uplift Resistance:** 210 psf
Deck: — Plywood, minimum 19/32 in. thick
Membrane: — Uninsulated hot-mopped or cold-applied asphaltic built-up roof. As applicable gravel surfacing removed.
Fasteners: — Annular ring shank nails, 0.105 minimum shank diameter, with 1-7/8 in diameter galvanized steel cap in a 7-in. by 7-in. OC square grid.
Insulation: — Two component, "10-011", spray applied foamed plastic insulation, 1-in. thick minimum.
Roof Coatings: — Fluid applied base and top coating or gravel surfacing systems, applied in accordance with specified combinations and Classified as Roofing Systems (TGFU).

5. **Uplift Resistance:** 165 psf
Deck: — Steel, minimum 22 MSG, concrete (pre-cast, panel, poured-in-place, cellular lightweight concrete (LWC), vermiculite, perlite, or gypsum.
Sealer: — Two component, "10-011", "10-013", "10-014", spray applied foamed plastic used to seal joints in steel deck, vents and penetrations in steel deck (as applicable) and perimeter.

Reinforcement: — Asphalt coated fiberglass 10 by 20-in. mesh (not UL Classified) laid across steel deck.
Insulation: — Two component, "10-011", "10-013", "10-014", spray applied foamed plastic insulation, 2-in. thick minimum.
Roof Coatings: — Fluid applied base and top coating or gravel surfacing systems, applied in accordance with specified combinations and Classified as Roofing Systems (TGFU).
6. **Uplift Resistance:** 90 psf
Deck: — Steel, minimum 22 MSG.
Cover Board: — Minimum 1/2-in. thick Classified high density wood fiber board.
Fasteners: — Minimum No. 14 steel screws with 2-3/4 in 26 g galvanized steel plates. A total of 8 fasteners per 4-ft. by 4-ft. cover board.
Insulation: — Two component, "10-011", spray applied foamed plastic insulation, 2-in. thick minimum.
Roof Coatings: — Fluid applied base and top coating or gravel surfacing systems, applied in accordance with specified combinations and Classified as Roofing Systems (TGFU).

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