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### **LISTINGS FOR TWIN LOC-NAILS IN CEMENTITIOUS WOOD FIBER ROOFDECKS**

Roof Covers: Approved organic or glass fiber felt built-up roof cover or Approved modified bitumen roof cover Approved for use with the base sheet or insulation.

Deck: Cementitious Wood Fiber, Recover over Cementitious Wood Fiber

Coating: See roof cover listing.

Laps: See roof cover listing for roof cover laps, below for base sheet side laps.

Application: Secured to mechanically fastened base sheet or insulation, or insulation secured with hot asphalt to mechanically fastened base sheet per roof cover listing.

Base Sheets: Black Armor Glass Fiber Base Sheet, Black Armor Vented Glass Fiber Base Sheet, Black Armor Glass Fiber Felt, Black Armor Premium Glass Fiber Felt, Millennium Base Sheet, Prebase Base Sheet, Firestone MB Base, Firestone SBS Base Sheet, Firestone SBS Premium Base Sheet, Firestone APP 160, Firestone SBS Smooth, GAFGLAS #75, Stratavent Eliminator Venting Base Sheet (Nailable), GAFGLAS Ply 4, GAFGLAS Ply 6, GAFGLAS Mineral Surface Cap Sheet (granules down), All Weather/Empire, GS Flex-I-Glas Base, GS Flex-I-Glas FR, GS Poly SMS, Garland HPR Glasbase, Garland HPR Premium Glasbase, Garland Tribase, DynaBase, GlasBase, Glasply Premier, Glasply IV, Johns Manville APP Base Sheet, Nordflex Duo Ply FR Base, Nord G-2 Base, Perma Ply No. 28, Perma Ply-R, Ventsulation, Glass Fiber Base Sheet, Organic Base Sheet, #502 Premium Fiberglass Mineral Cap Sheet (granules down), #515 Fiberglass Standard Base Sheet, #501 Premium 1 Fiberglass SBS Base Sheet, #605 Panoply SBS Base Sheet, Derbibase, Glass Ply IV, Glass Base, Irex 30, Irex HT, Parabase, Parabase Plus, Sopra-G, Sopraglass 100, Glass-Base, Vapor-Chan, Versa Base, BURmastic Glass Ply-28#, BURmastic Glass Ply, BURmastic Composite Ply, Ultra Cap (granules down), Intec Modified Base Plus, Intec Modified Base 190P, Flex Base 30, Flex Base 60, Permavent, Ultra Base, Multi-Ply Glass, Multi-Ply Glass CL, Performance Ply, Weather Ply Base and PIKA Ply SS-2.

Hail Rating: See roof cover listing

ASTM E 108: See roof cover listing

**Construction #1c:** TWIN LOC-NAILS installed max 9 in. (230 mm) o.c. along center of min 2 in. (51 mm) wide base sheet side laps and max 18 in. (455) o.c. staggered in two rows equally spaced between base sheet side laps. Roof cover, Approved for use with base sheet, installed per the roof cover listing. Meets Class 1-90.

**Construction #2:** Cementitious Wood Fiber deck installed per deck listing. Base sheet secured to deck per Construction #1a, #1b or #1c above. Min 1/2 in. (13 mm) thick Armor Board High Density Fiberboard, ESGARD HIGH-STRENGTH 1/2" 6-side Asphalt Coated High-Density Roof Board, ESGARD HIGH-STRENGTH 1/2" 1-side Asphalt Coated High-Density Roof Board, ESGARD 1/2", GAFTEMP High Density Fiberboard, High Density Roof Fiberboard, Fiber Base HD1, Fiber Base HD6, Structodek, GAFTEMP Permalite Recover Board, Permalite Recover Board or Retro-Fit Board, min 3/4 in. (19 mm) thick, ConPerl, Permalite, GAFTEMP Perlite, GAFTEMP Permalite or Fesco Board min 1 in. (25 mm) thick Armor Board Regular Fiberboard, ESGARD 1", ESGARD HIGHSTRENGTH 1" High-Density Roof Board, GAFTEMP Fiberboard, Huebert Fiberboard or Kop-R Wood Fiber, min 1.5 in. (40 mm) thick Armor R Plus, Armor R Plus Tapered, Millox-P, Millox, Nail-Line, Pyrox, White Line, ACFoam-II, ACFoam-II Tapered, ACFoam Composite, Hy-Therm AP Roof Insulation, Hy-Therm(a) AP Roof Insulation, Hy-Therm COMPOSITE, Hy-Therm(a) COMPOSITE Roof Insulation, Hy-Therm TAPERED, Hy-Therm TAPERED Roof Insulation, Hy-Tec RB, Polycon-Posite, Iso 95+ GL, Iso 95+ Composite, Iso 95+ Composite Plus, GAFTEMP Composite, GAFTEMP Isotherm RA, GAFTEMP Tapered Isotherm RA, Kop-R, Kop-R Composite, Kop-R (WC), Kop-R (WII), Kop-R (WII) Tapered, ENRGY 3, ValuTherm, Fesco Foam, ENRGY 3 Plus, PSI-25, Tapered PSI-25, HCS 2000, Foamglas Board, Thermal Tec, Thermal Tec Tapered, Thermarroof Composite, Multi-Max,

Fesco Foam, DuraBoard, UltraGard, UltraGard Tapered, Trisotech G2, Trisotech GF, Trisotech Pyrox, USIso, USIso Tapered, USIso/Perlite Composite or min 2 in. (51 mm) thick Arcor FM secured to the base sheet with hot asphalt at 25 lb/sq (1.2 kg/sq.mtr.).

Roof cover, Approved for use with the insulation, installed per the roof cover listing. Meets Class 1-60/1-90 per base sheet securement.

**Construction #3:** Cementitious wood fiber deck, new, installed per deck listing. Min 1.4 in. (6.5 mm) Thick Dens Deck, min \_ in. (13 mm) thick High Density Fiberboard, Duraboard, Armor Board High Density Fiberboard, ESGARD HIGH-STRENGTH \_” 6-side Asphalt Coated High-Density Roof Board, ESGARD HIGH-STRENGTH \_” 1-side Asphalt Coated High-Density Roof Board, ESGARD \_”, GAFTEMP High Density Fiberboard, High Density Roof Fiberboard, Dens Deck Fiber HD1, Fiber Base HD6, Structodek, GAFTEMP Permalite Recover Board, Permalite Recover Board, Retro-fit Board, or min \_ in. (19 mm) thick Fesco Board or Fiberglass Roof Insulation secured to roof deck through an existing Class 1 roof assembly, if present, with one Twin Loc-Nail ( min 1 in. (25 mm) embedment in deck) per 2 ft2 (0.19m2) max contributory area per fastener in a diamond in a box pattern. Min 3-ply built-up or modified bitumen with hot asphalt or torch application as required in the roof manufacturers listing. Meets Class 1-90.

**Construction #3a:** Cementitious wood fiber deck, new, installed per deck listing. Min 1.4 in. (36mm) thick ACFoam-III, or min 1.5 in. (40 mm) thick HyTherm AP Roof Insulation secured as shown in Constructuon #3 followed by roof cover as shown in Construction #3. Meets Class 1-90.

**Construction #4:** Cementitious wood fiber deck installed per deck listing. Secured to roof deck through an existing Class 1 roof assembly, if present, with TWIN LOC-NAILS [min 1 in. (25 mm) embedment in deck]. Single ply roof cover Approved for use with the roof insulation fully adhered to the roof insulation with solvent based bonding adhesive as required in the roof cover manufacturers listing. Meets Class 1-75 with one TWIN LOC-NAIL per 1.78 sq. ft. (0.165 sq.mtr.) max contributory area per fastener. Meets Class 1-90 with one TWIN LOC-NAIL per 1.33 sq. ft. (0.124 sq.mtr.) max contributory area per fastener.

Roof Cover: Approved mechanically fastened single-ply roof cover Approved for use with the insulation.

Deck: Cementitious Wood Fiber

Coating: See roof cover listing.

Laps: See roof cover listing.

Application: Mechanically fastened per roof cover listing.

Hail Rating: See roof cover listing

ASTM E 108: See roof cover listing

**Construction #1b:** Minimum 1/4” (6.5 mm) thick Dens-Deck or Dens-Deck Prime or 1/2” (13 mm) through 3-3/4” (95 mm) thick ACFoam; ACFoam Composite; ACFoam Recover Board; ACFoam Tapered; ACFoam-II; AMOCOR-PB6; AMOCOR-PB6 PLUS; AMOCOR-PB6W; AMOCOR-PG38; AMOCOR-PG39; AMOFOAM-CM; AMOFOAM-CMX; AMOFOAM-SB; AMOFOAM-SL; AMOFOAMSLX; Armor Board High Density ; Armor Board Regular; Armor Lite Perlite Roof Insulation; Armor Lite Recover Board; Armor-R Composite; Armor-R Glas; Armor-R Plus; Base Cap; Celotherm; Conperl; CSFoam Insulation; Dens Deck; Dens Deck Prime; Derbiboard; Derbiboard Composite; Derbiboard Composite H; Derbiboard H; Derbiboard Tapered; DuraBoard; DuraBoard; DuraFoam; Duro-Fold; ENRGY 3 Plus; FC2S IsoHot; FC2T IsoHot Tapered; FC3S IsoCold; FC3T IsoCold Tapered; FC4S IsoComp; FC4T IsoComp Tapered; Fesco Board; Fesco Board HD; Fesco Foam; Fesco Foam; Fesco Foam “R”; Fiber Glass Roof Insulation; Fiberbase HD1; Fiberbase HD6; Fiberboard; Fiberbond; Flat Top Fiberboard; FTR-VALUE; GAFTEMP Composite; GAFTEMP Composite H; GAFTEMP Composite NP; GAFTEMP Composite NW; GAFTEMP Composite PH; GAFTEMP Composite RN; GAFTEMP Fiberboard; GAFTEMP High Density Fiberboard; GAFTEMP Isotherm RA; GAFTEMP Isotherm RH; GAFTEMP Isotherm RN; Genflex High Density Fiberboard; GenFlex Iso 1; GenFlex Iso 3; GenFlex Iso 5; GenFlex Iso HC 1; GenFlex Iso NB 1; GenFlex Isofiber 5; High Density Fiberboard; High Density Roof Fiberboard; HP Recovery Board; H-Shield; H-Shield-NB; H-Shield-P; H-Shield-WF; Huebert Fiberboard; Hy-Tec; Hy-Tec RB; Hy-Therm; Hy-Therm AP; Hy-Therm AP COMPOSITE; Hy-Therm COMPOSITE; Insul-Air; ISO 2000; ISO 2000 Tapered; Iso

95+; Iso 95+ Composite; Iso 95+ GL; Iso 95+ Plus Composite; Iso-Vent; JM Iso 1; Kop-R; Kop-R (WII); Kop-R Composite; Kop-R Composite WF hO; Kop-R hO; Kop-R Wood Fiber; Masonite Structodek; Millox; Millox-P; Mule-Hide Poly ISO 2; Mule-Hide Poly ISO 2 Tapered; Nailable Base; Nailable Base-3; Nailboard; Nail-Line V; NCFR/THERMOSOTE; Perform-A-Deck Nailable Roof Insulation; Perform-A-Deck Nailable Roof Insulation; Permalite; Permalite Recover Board; Permalite Roof Insulation; Polycon – Posite; Polyiso HP; Polyiso HP-H; Polyiso HP-H Composite; Polyiso HPHNB; Polyiso HP-HP; Polyiso HP-N; Polyiso HP-W; Polyiso MP-H; Polyiso MP-H Composite; Polyiso MP-HNB; Polyiso MP-P; PSI-25; Pyrox, HCS 2000; Retrofit; Sarnatherm; Sarnatherm C; Sarnatherm Nailboard; Sarnatherm Perlite Composite; Sarnatherm Wood Fiber Composite; Standard Fiberglas Roof Insulation; Thermarroof Composite-3; Thermarroof Composite; Thermo Iso; Thermo Iso/Composite; Top R II; TP Iso Perlite Composite; Trisotech G; Trisotech GP; Ultra/M-II, Iso/glas; US Iso; US Iso N; US Iso OSB; US Iso Roof; VersiFoam MP-N; VersiFoam MP-W; or Wide Flute Fiberglas Roof Insulation presecured to deck with TWIN LOC-NAILS [min 1 in. (25 mm) embedment in deck]. Roof cover installed per roof cover listing. Meets windstorm classification per roof cover listing.