

MASTERGUARD™ Synthetic Underlayment

Installation Instructions

MASTERGUARD™ Synthetic Underlayment shall be installed in accordance with the applicable code and these manufacturer's published installation instructions, which shall be available at all times on the jobsite during installation. The underlayment is not the primary roof cover and as such are not intended to be left permanently exposed to direct weather.

The underlayment shall be applied to wood decks installed over ventilated attic spaces.

Roof slopes shall be minimum 2:12 (16.67% slope or 9°). The underlayment has an orientation and shall be laid with the topside (i.e. print side) up. The underlayment shall be laid horizontally (i.e. parallel to the eave) starting at the lower edge of the roof. The underlayment shall be mechanically attached to structural wood deck in accordance with the local building codes. If the roof will not be covered immediately (i.e. same day), underlayment shall be independently attached to structural wood deck using fasteners.

MASTERGUARD™ Synthetic Underlayment is intended for exterior applications only. Roof coverings shall be mechanically fastened through to the wood deck. Roof coverings shall not be adhered to the underlayment.

Deck: Deck surface shall be clean, smooth, dry, free of debris, and structurally sound prior to installing underlayment. All deck fasteners shall be checked for protrusion and corrected prior to underlayment application. Replace any damaged or rotted deck.

Fasteners: Fasteners shall be ring or deformed shank nails with minimum 1 inch diameter metal or plastic caps. Metal caps shall have a minimum thickness of 32 gauge (0.0134 inch) sheet metal for loose caps or 0.010 inch for power driven cap nails. Plastic caps shall have an outside edge minimum thickness of 0.035 inch. Nail shank shall be minimum No. 14 gauge (0.083 inch shank diameter) galvanized or stainless steel corrosion-resistance nails. Fasteners shall penetrate into the deck minimum $\frac{3}{4}$ inch, or through the deck, where the deck is less than $\frac{3}{4}$ inch thick. Dimensional tolerances of fasteners shall conform to ASTM F1667.

Installation of MASTERGUARD™ Synthetic Underlayment shall be in accordance with FBC Section 1507.1.1, Table 1507.1.1.1 as appropriate, except in areas classified as high-velocity hurricane zone, where MASTERGUARD™ Synthetic Underlayment shall be fastened per 2023 FBC Section 1518.2 and 2023FRC Section R905.

Reroofing: Prior to the reroofing, all existing roofing shall be removed down to the deck. Exposed deck surface shall be clean, smooth, dry, free of debris, and structurally sound prior to installing underlayment. All deck fasteners shall be checked for protrusion and corrected prior to underlayment application. Replace any damaged or rotted deck.