



Application guide

HydroShield® Ice and Water Shield

This application guide provides instructions for direct-to-deck application of **HydroShield® Ice and Water Shield** on vulnerable areas of steep-slope roofs. These areas include eaves, valleys and rakes, roof-to-wall connections, flashing around chimneys and skylights, roof vents and other penetrations, as well as full deck coverage.

Storage

Store rolls on original pallets or elevated platform. Protect from weather or store in an enclosed area not subject to heat over 104 °F (40 °C) or under 14 °F (-10 °C). Double stacked pallets are not recommended. If double stacking is necessary, use a plywood sheet between pallets to distribute the load.

Preparation

HydroShield® Ice and Water Shield should be applied on roofs having slopes of 2 in. (5 cm) rise minimum in 12 in. (30.5 cm) run or greater. All substrates are to be free of dust, oil, dirt, debris and moisture. All protrusions must be removed to provide a smooth surface. On re-roofing applications, remove old shingles, nails and other loose materials.

Ambient and surface temperatures should be above 40 °F (4.4 °C) to achieve optimum adhesion. Lower temperatures can cause the self-adhesive layer to lose adhesive quality. Adhesion strength to the deck and at laps will increase as ambient temperatures rise.

Consult local building codes for specific installation requirements.

Application

Roll out and align manageable lengths of HydroShield® Ice and Water Shield with the lower roof edge, sanded surface up. Tack nails along upper edge. Fold back lower portion of HydroShield® Ice and Water Shield and remove lower portion of split release film. Set in place. Remove nails from upper edge and upper portion of release film. Press firmly in place.

Overlap at ends 6 in. (15 cm) and sides a minimum of 3 in. (7.6 cm). When HydroShield® Ice and Water Shield is folded over the roof edge, it must be covered by flashing, gutter or metal drip edge.

Limitations

FOR EXTERIOR USE ONLY. HydroShield® Ice and Water Shield is not designed for extended direct outdoor exposure. For best practice, apply finish-covering materials promptly after HydroShield® Ice and Water Shield installation. If not possible, secure HydroShield® Ice and Water Shield in place with mechanical fasteners as a precaution against wind damage and uplift. HydroShield® Ice and Water Shield must be covered within 60 days of application. Protect HydroShield® Ice and Water Shield from excess traffic during application and until final roof covering is in place.

HydroShield® Ice and Water Shield is not resistant to oils and solvents. Avoid use of new dimensional lumber decking that may contain knots with resin levels that can attack and severely soften the HydroShield® Ice and Water Shield bitumen compound.