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Flash Deck™ General Guidelines



GENERAL OVERVIEW & INSTALLATION

Including Precautions, Surface Preparation, Installation, Storage, and Safety & Handling

Covering Flash Deck™ Metal Base, Shingle Base, and Strip-In

PRECAUTIONS

1. **Temporary Use:** Flash Deck™ is for short-term outdoor UV exposure only. Install the final primary roofing material within 6 Months.
2. **Underlayment Use:** Flash Deck™ is a premium secondary water barrier compatible with metal, tile, slate, cedar shake, and asphalt shingle roofing systems.
3. **Ventilation Requirement:** Flash Deck™ acts as a complete air, water, and vapor barrier. It must only be installed over properly ventilated roof spaces.
4. **Local Regulations:** Always consult and follow your local building codes and municipal regulations.
5. **Roof Pitch and Support:** Extreme roof pitches and specific site conditions may require additional blocking to properly support materials.

SURFACE PREPERATION

1. **Substrate Compatibility:** Flash Deck™ can be applied directly to plywood, OSB, concrete, or masonry surfaces. While wood substrates do not require priming at temperatures above 5°F (-15°C), all concrete and masonry decks must be treated with a butyl-compatible solvent or water-based primer prior to installation.
2. **Clean the Deck:** Ensure the roof deck is completely clean, dry, and free of any debris, raised nails, or protrusions that could puncture or damage the membrane.
3. **Structural Integrity:** The roof deck must be free of voids, rotted wood, or unsupported sections to ensure a proper, permanent adhesive bond.
4. **Re-Roofing:** When re-roofing, replace all water-damaged sheathing and completely clear the deck of old roofing remnants, dust, and debris.
5. **Chemical Avoidance:** Avoid the use of calcium or salt-based deicers on the deck, as these chemicals can damage the Flash Deck™ adhesive and primary roofing materials.

INSTALLATION

1. **Optimal Conditions:** For best results, install Flash Deck™ on a dry deck when the ambient air, membrane, and substrate temperatures are above 5°F (-15°C).
2. **Cold Weather Application:** For cold weather applications below 5°F (-15°C), utilize a compatible primer and blind-nail the laps with 3/8" head roofing nails within the marked 4" overlap area.
3. **High Heat & Steep Slopes:** Blind-nailing is required on roof slopes of 8:12 or greater, or when installing in ambient temperatures exceeding 150°F (65.6°C).

4. **Layout & Laps:** Lay Flash Deck™ horizontally, parallel to the eaves, with the printed side facing up. Always maintain 4" horizontal (side) laps and 10" vertical (end) laps.
5. **Vertical Installation:** If installing vertically, anchor the membrane with 3/8" head roofing nails placed 3" down from the top edge, spaced 6" apart. Drive nails strictly perpendicular to the deck for a tight seal. Maintain standard 4" side laps and 10" end laps.
6. **Directional Flow:** Always start at the lowest point of the roof and work upward. Install the membrane in the valleys before applying it to the eaves or field.
7. **Application Technique:** Cut Flash Deck™ into manageable sections. Peel back the release liner and apply. Secure the bond by hand-rolling, using a weighted roller, or applying firm walking pressure over the field and overlaps to activate the pressure-sensitive adhesive.
8. **Eave Guidelines:** Apply Flash Deck™ over the eave drip edge. Do not fold the membrane over the roof edge unless it will be covered by subsequent flashing. Extend the membrane from the eaves to a point at least 24 inches inside the interior wall line (above the maximum potential ice dam buildup line). Consult local codes.
9. **Valley Guidelines:** Center the membrane over the valley, peel the liner, and hand-press it firmly into place. Ensure full, tight contact with the valley bottom; never bridge or suspend the membrane across the void. Secure with a roller, paying close attention to all perimeter edges.
10. **Direct to Deck:** Do not install Flash Deck™ directly over existing or old roof systems.
11. **Repairs:** Repair any holes, tears, or "fish mouths" with a round membrane patch or 9" Flash Deck™ Strip-In. The patch must extend a minimum of 6 inches beyond the damage in all directions. All accidental penetrations must be patched to maintain the watertight seal.
12. **Unsupported Areas:** Never install fasteners through the membrane over unsupported areas of the structural deck (such as the gaps between adjacent plywood/OSB panels).
13. **High-Traffic Protection:** To protect completed dried-in areas from potential damage during material loading or high foot traffic, install protective boardwalks.
14. **Severe Ice Zones:** Important Notice: It is recommended that the underlayment be installed from the eave up the roof to a point 36" inside the exterior wall (above the max ice dam buildup line). Consult local codes.

STORAGE

1. **Proper Environment:** Store Flash Deck™ rolls upright in their original packaging in a dry, ventilated area. Keep strictly away from open flames, sparks, chemical solvents, and direct weather exposure.
2. **Daily Use:** To maintain optimal adhesive performance, only remove the number of rolls from storage that you intend to use that same day.
3. **Temperature Limits:** Store the product between 5°F (-15°C) and 150°F (65.6°C). If the material has been stored in colder conditions, allow it to acclimate to at least 5°F (-15°C) before attempting application.
4. **Weight Distribution:** Always distribute the material weight evenly over structural roof supports when loading the roof.
5. **Shelf Life:** Flash Deck™ maintains a premium 2-year shelf life when stored correctly.

SAFETY & HANDLING

OSHA Compliance: Always follow safe roofing codes and practices outlined by OSHA and wear approved fall protection at all times.

- Fall Protection & Personal Safety
- Use Fall Arrest Systems: Always wear a safety harness and ensure it is properly tethered to a permanent, secure roof anchor.
- Slip-Resistant Footwear: Wear soft-soled work boots or shoes specifically designed to maximize roof traction.
- Install Toe Boards: On steep roofs, securely fasten roof jacks, work platforms, or toe boards to provide stable, reliable footing.
- Use Proper Guarding: Apply heavy-duty covers to skylights or any roof openings capable of supporting twice the weight of a worker.

Safe Handling & Installation

- **Prepare the Deck:** Remove all loose debris, sawdust, and protruding nails before walking on the deck to prevent punctures or slips.
- **Tread Carefully:** Avoid walking on the underlayment unnecessarily. Even premium slip-resistant materials can experience reduced traction when covered in heavy dust, frost, or surface water.
- **Secure Immediately:** Fasten or bond the underlayment immediately as you roll it out to prevent it from slipping underfoot or catching heavy wind gusts.
- **Work with a Partner:** Always have at least one other person on-site to "spot" you and provide immediate aid in case of an accident.

Environmental & Site Precautions

- **Check the Weather:** Do not install during lightning storms, high winds, heavy rain, or when active ice and snow are present, as these conditions drastically reduce traction and safety.
- **Avoid Power Lines:** Maintain a strict clearance of at least 10 feet from all overhead power lines when handling ladders, metal edge metals, and equipment.
- **Ladder Safety:** Set ladders on a firm, flat surface utilizing a 4:1 slope ratio. Always maintain three points of contact while climbing.
- **Manage Heat:** Roof decks can become dangerously hot. Drink plenty of water to avoid heat exhaustion, which can lead to dizziness and loss of balance on steep slopes.

Important Notice: Release liners are extremely slippery and must be gathered and removed from the active work area immediately upon peeling. Use extreme caution when walking on Flash Deck™ products, as slip resistance will inherently vary based on surface conditions, active weather, worker footwear, and the pitch of the roof.