

Deck-Air® Passes 30 Day Ice Dam Test.

The Lomanco Deck-Air®, Model DA-4, shingle over intake vent was subjected to a simulated 30 day ice dam test in controlled laboratory settings. **At no point during the 30 day testing was weather infiltration into the attic space observed.** The Deck-Air®, Model DA-4, provides superior weather protection in extreme weather conditions.

TEST ROOF DECK SETUP:

- ▶ Deck-Air® vent installed per instructions on a 3/12 pitch test roof deck.
- ▶ Roof deck interior insulated on all sides except underside of roof deck.
- ▶ Internal heat source controlled by thermostat.
- ▶ Gutter installed ¾" below roof plane.
- ▶ Test roof deck is placed in a climate controlled test chamber.



Deck-Air® Vent
Installed on
Test Roof Deck



30 DAY ICE DAM TESTING:

- ▶ Water is applied through a slow drip system to represent snow melt.
- ▶ Once ice dam encompasses Deck-Air® vent, freeze/thaw cycling begins.
- ▶ Freeze/Thaw Cycle: Roof deck interior is heated to 70°F for 8 hours while test chamber is kept just below freezing. After 8 hour period, heat source is shut off and test chamber temp is lowered to 0°F for 16 hours.
- ▶ Water is reapplied as necessary.



Deck-Air® Vent
During Freeze and
Thaw Cycles



RESULTS:

- ▶ Slot cutout under Deck-Air® was constantly monitored for infiltration during the 30 day period.
- ▶ **No weather infiltration through the Deck-Air® vent was observed during the 30 day test.**



Deck-Air® Vent
Exterior and Interior
During Test



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