

The 5 Golden Rules of Snow Melting

Master Checklist: Roadmap to Success

Adhering to these fundamental principles is critical for ensuring the longevity, efficiency, and safety of every snow melting system installation. Follow all five on every job – no exceptions.

Project Name

Date

Installer:

Never Cut the Cable

- 1 Fixed-length elements cannot be shortened. Use tight 3-inch spacing loops or designated buffer zones to absorb any field excess.

Layout planned to fit the full cable length – no cuts

Embed the Factory Splice

- 2 The connection point between the heating cable and cold lead must be 100% buried in concrete or mortar – never left inside a conduit.

Factory splice positioned to be fully embedded

Isolate at Expansion Joints

- 3 Protect your system from structural shifting. Heating elements must never cross an existing or planned concrete expansion joint.

All elements routed clear of expansion joints

The 3-Stage Test Protocol

- 4 Protect your profit margin. Test with a digital ohm meter and a megger at three points: on delivery, before the pour, and immediately after the pour.

Stage 1 – Delivery Stage 2 – Before pour Stage 3 – After pour

30 mA GFEP Protection

- 5 Standard residential GFCIs will trip constantly. Ensure your electrician supplies dedicated 30 mA GFEP breakers directly at the main panel.

30 mA GFEP confirmed at main panel

The 3-Stage Test Log

Record readings at all three stages and compare to the nameplate spec. A reading outside tolerance = stop and investigate before the next stage. Damage caught now is repairable; damage found after curing is not.

Project Name:

Cable SKU / Serial:

Date:

Nameplate Resistance
(Ω) Spec Range:

Installer:

| Stage | When | OHM Reading | (M Ω) Insulation | Within Spec? | Initials |
|------------------------|---|--|--------------------------|--------------|----------|
| Stage 1 Delivery | On arrival, before install | Minor flatness issues or OSB with wax residue. | | Yes No | |
| Stage 2 Before Pour | After layout, before con- crete | Isolated cracks / Hollow spots. | | Yes No | |
| Stage 3 After Pour | After con- crete, before energizing | Unknown history / Unknown bond. | | Yes No | |

⚠ WARNING: If any reading is out of spec — **STOP**. Do not pour over (Stage 1/2) or energize (Stage 3) a cable that fails. Call PRO Tech Support at (800) 875-5285 first. Five minutes on the phone beats a weekend with a jackhammer.

Final Sign-Off

All 5 Golden Rules followed
Test log saved to job file

3 stages tested & in spec

30 mA GFEP confirmed

Signature:

Date: