

Installation Instructions for ALUMINUM Strips & L-Markers on Diamond-Plate Metal

1. Sweep the surface area where the product will be installed. If the area has grease or dirt build-up, clean the area with a degreaser or a mild cleaner suitable for the surface type.
2. Afterwards wet-clean the surface with water-moistened microfiber cloth (better than paper towel) to thoroughly remove any dust and dirt.
3. Once the surface has dried, wipe the installation spot with microfiber cloth, moistened with 70% Isopropyl alcohol. Use one color microfiber for each specific type of cleaner (e.g., blue cloth for water, yellow for isopropyl alcohol). Prior to material installation, surface must be dry, dust-free and clean.



← FIRST:
Water clean with
blue microfiber

→ SECOND:
Isopropyl-Alcohol clean
with another color
microfiber cloth to
avoid performing both
cleaning steps with one
cloth

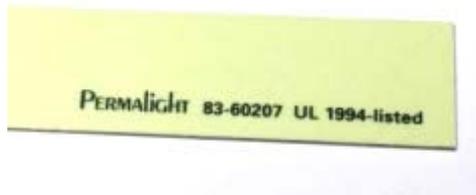


To even-out the gaps created by the raised diamond-plate pattern and to create a flat installation surface for the aluminum marker, use construction adhesive (available in cartridges, applied with a caulking gun). This construction adhesive provides extra adhesion and fills in any spaces, so the back of the aluminum marker's white foamy adhesive makes full-contact with the diamond plate metal floor surface.

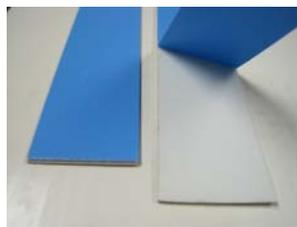
2. Measure the step width. Calculate a half to 1-inch gap on the far left and far right side of each step, so the aluminum strip ends do not touch the side risers and your installer has a bit of room to move the strip left/right. Cut Aluminum Strip to needed length, using metal shears or a table-size guillotine cutter.



3. Using a toe-nail clipper, round Aluminum ends.
4. Remove adhesive-protecting blue or white liner without touching adhesive: hold aluminum marker on its edges only.



Alu Strip Front View



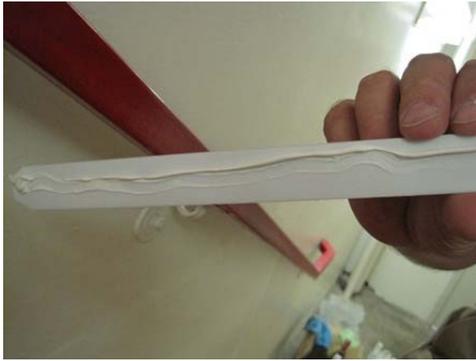
Alu Strip Back View (white or blue liner)



Do NOT touch the adhesive back

4. Apply a generous layer of construction adhesive (e.g., Loctite 375 Heavy Duty, Liquid Nails) to the foamy adhesive backing of the aluminum marker. How much construction adhesive depends on the type of Diamond Plate: there are very shallow metal elevations and there are high metal elevations.

Make sure you apply 'just the right amount', so that the opaque construction adhesive does not ooze out excessively, does not smear onto the strip surface and does not dirty the Pressure Roller head. Start out with one alu strip, test the amount of construction adhesive needed, press-apply. More? Or better less adhesive??



Wavy bead of Loctite 375 on foam backing



Caulking gun + Construction Gun shown

5a. Do **NOT** put P/L Marker right at step front. Position the marker $\frac{1}{2}$ inch away from leading edge (FLAT front of step). Diamond plated steps often have a round front. Do **NOT** start measuring the "HALF INCH IN" from the rounded, projecting metal front. Start measuring the "HALF INCH IN" where the FLAT step surface starts. Press photoluminescent marker in place $\frac{1}{2}$ -inch away from that flat nosing front.

5b. See how there is a half to an 1-inch gap on the far left and far right side of each step, so the two aluminum strip ends do not touch the side risers and your installer has a bit of room to move the strip to the left or right.



5a) $\frac{1}{2}$ " away from front edge



5b) position half inch to 1-inch from left + right step ends

Notice the rounded Alu Strip ends.

Apply even pressure over the entire Aluminum Strip - using the Pressure Roller - to ensure the foamy adhesive backing and Construction Adhesive come in contact with the entire floor surface.

6. Allow the marker with its thickly applied construction adhesive to sufficiently dry – preferably overnight. This may require you to block off access to the staircase with signs to the effect of "Installation in Progress. Access during EMERGENCIES ONLY". Do **NOT** let people walk on the Alu Strips with thick layers of Construction Adhesive underneath which naturally needs some time to cure!

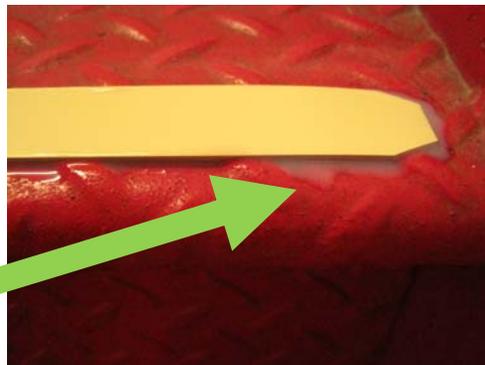
7. Seal all four sides of the Aluminum Strip (e.g., 1" + 48" + 1" + 48") with Edge-Sealing Compound 83-0783 to prevent cleaning solutions from getting between Strip and metal surface, which could weaken the adhesive strength.

Low VOC Edge Sealer; great for LEED projects.

NON-Flammable!



Item: 83-0783



Done!