

Use in situ RH testing to obtain critical information on the moisture condition of the slab - independent of ambient conditions, slab thickness and makeup.

ASTM F 2170.....At-A-Glance NOW A 24 HR. TEST!

- 1. Drill a 5/8" hole to a depth of 40% of the slab thickness using a rotary hammer drill. Use an SDS drill bit specially designed for rotary drills and with 3 or 4 cutting edges to insure a smooth, round hole. Surface preparation is not required.
- 2. Vacuum the hole thoroughly, then use a wire brush to clean and loosen any concrete remaining in the hole. Vacuum again and repeat the process a second time.
- Insert the yellow sleeve into the hole. Use silicone (or other water-resistant sealant) to seal the interface between the collar of the sleeve and the concrete surface.
 Use a hammer to insure the sleeve is fully inserted into the hole and sealed to the concrete.
- 4. Insert the protective yellow cap into the sleeve and let the hole acclimate for 24 hours. Optional plugs are available that will isolate .062" at the hole bottom during acclimation time.
- 5. Remove the cap and immediately insert the sensor to full hole depth. Wait minimum 1 hour and then take RH and temp readings.
- 6. Alternately, insert the RH sensor into the sleeve immediately after setting the sleeve. Readings can then be taken as soon as the hole has acclimated. The efficacy of this approach is the subject of ongoing research and it is important to note that continued and long term exposure to high humidity may damage the sensor irreversibly.

The complete ASTM document is available at:

http://www.astm.org/standards/f2170.htm

1-877-DELMHORST (335-6467) www.delmhorst.com

Rev. Jan 2018 510LIT-0055