

# Henry® Pumadeq™ System Moisture Test Methods

Substrate moisture content verification is essential for achieving a successful project and promoting adhesion of the Pumadeq System. Refer to product specific technical data sheet (TDS) and other published Pumadeq System Tech-Talk Bulletins to verify installation requirements. See product specific TDS for substrate qualification/preparation and resin application rates.

## Substrate moisture content

As a requirement for warranty issuance, it is the installing contractor's responsibility to verify substrate conditions are in accordance with Henry published literature. Excessive substrate moisture may result in pinholes or blisters in cured resin and/or compromise immediate or long-term Pumadeq System adhesion. As a requirement for warranty issuance, verify substrate(s) do not exceed maximum moisture content allowance in accordance with this Tech-Talk Bulletin.

Substrate moisture content	
Substrate	Testing method and moisture content
Structural concrete	1. Moisture meter: 6% maximum 2. ASTM D4263 (plastic sheet method): No moisture detected
Lightweight structural concrete over a vented metal deck	1. Moisture meter: 6% maximum 2. ASTM D4263 (plastic sheet method): No moisture detected
Exterior grade wood/plywood sheathing	1. Moisture meter: substrate must be dry and/or at region specific equilibrium*
Exterior grade cement board	1. Moisture meter: 1% maximum

\* Refer to "Equilibrium Moisture Content of Wood in Outdoor Locations in the United States and World Wide".

## Substrate moisture testing

Do not install Pumadeq System onto substrates that exceed maximum moisture content allowances. Refer to the substrate moisture content chart of this Tech-Talk Bulletin for substrate specific maximum moisture content and authorized test methods.

1. Conduct a minimum of three tests per substrate; one test per 5,000 sq.ft.
2. Authorized testing methods
  - a. Electronic hand-held moisture meter with minimum 3/4" penetration
  - b. ASTM D4263 – Standard Test Method for Indicating Moisture in Concrete by the Plastic Sheet Method