



RH AND pH MAXIMUMS INFORMATION FOR HENRY ADHESIVES

We are writing to confirm the concrete relative humidity (RH) and pH maximum values for HENRY adhesives, as detailed below.

High-Moisture Adhesives

HENRY 430, HENRY 647, HENRY 695 are approved for use over a concrete substrate with a maximum RH of 95% (ASTM F2170) and a maximum pH of 11.

HENRY 420, HENRY 622, HENRY 640 and HENRY 650 R are approved for use over a concrete substrate with a maximum RH of 90% (ASTM F2170) and a maximum pH of 11.

HENRY 971

HENRY 971 is approved for use over a concrete substrate with a maximum RH of 75% (ASTM F2170) and a maximum pH of 10.

All Other Adhesives

All other HENRY adhesives are approved for use over a concrete substrate with a maximum RH of 85% (ASTM F2170) and a maximum pH of 10.

Conditions

The above allowances are based on the following conditions. If these conditions cannot be met, slab moisture must be remediated to acceptable levels in accordance with ASTM F710, *Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring*.

1. If the slab is on or below grade, there must be an effective and intact vapor retarder, in conformance with ASTM E1745, placed directly below the concrete.
2. The installation conditions must comply with any limitations imposed by the manufacturers of the finishing materials, including maximum RH levels. For example, if the flooring is approved at a maximum RH of 75%, and the concrete has a maximum RH of 80%, moisture mitigation is required.

Calcium Chloride Testing (ASTM F1869)

In response to progressive industry standards, and for consistency with published information for the ARDEX MC Moisture Control Systems, we are no longer publishing a calcium chloride maximum for HENRY adhesives.

Please contact the Technical Service Department with questions.

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