



UPDATE 16

November 14, 2012

To: ARDEX Sales Professionals, Sales Managers

From: ARDEX Technical Department

RH AND PH MAXIMUMS INCREASED FOR HENRY ADHESIVES

We are pleased to announce that the concrete relative humidity (RH) and pH maximum values for HENRY adhesives have been increased, as detailed below. This comes as a result of extensive technology development and formulation work on the part of W.W. HENRY R & D.

High-Moisture Adhesives

Effective immediately, HENRY 420 is joining HENRY 430, HENRY 622 and HENRY 640 on our list of high-moisture adhesives. As before, our high-moisture adhesives 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. This is a change from our previously published maximum pH of 9.

All Other Adhesives

Effective immediately, 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. This is a change from our previously published maximums of 75% RH and pH 9.

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.
 - a. 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.

A handwritten signature in black ink, appearing to read "Seth Pevarnik", is located in the bottom right corner of the page.

Seth Pevarnik, Director of Technical Service