

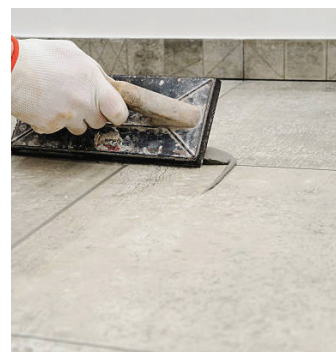
COLD WEATHER TILING

Protect your adhesive cure, grout finish and aluminium trims



DID YOU KNOW?

Changes in temperature and humidity greatly effects the cure time of Glue and Grout?



WHAT ARE THE EFFECTS?

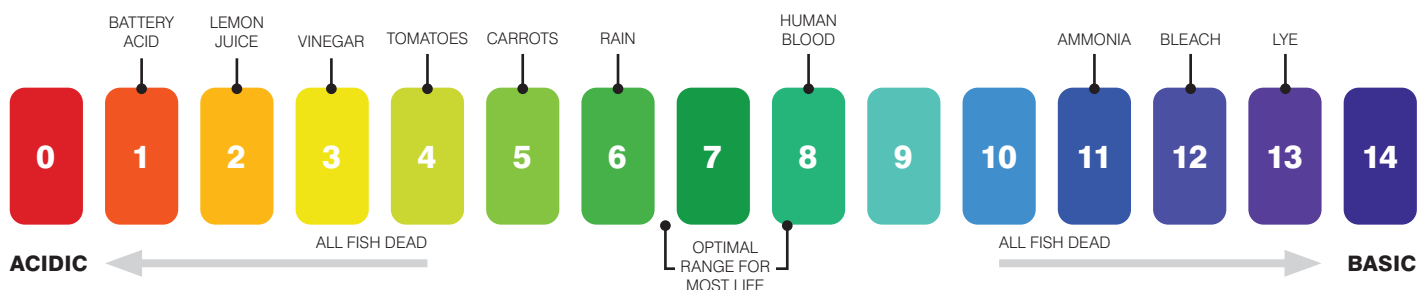
1. Tile movement
2. Aluminium trim corrosion, allergic reactions and dermatitis.

WHY DOES THIS HAPPEN?

1. At both lower temperatures and higher humidity's, cure time slows down, slower again when excessive water is applied, for example: sloppy or wet mixtures to level out or "mud up" to meet heights etc.
2. Most glues and grouts are cementitious and alkaline in nature (they have a high pH value).

Here's the facts, drinking water pH = 7, for every 1 pH increase, example: pH = 8, alkalinity increases 10x

HERE'S A PH CHART FOR YOUR REFERENCE



When mixed with water, pH of cementitious glues and grouts is over 13. Prolonged skin exposure to high alkalinity materials can lead to skin irritations, dryness and dermatitis. High alkalinity will attack and etch aluminium surfaces. Etching occurs whilst glue and grout are in a mixed uncured state. The longer they take to cure the longer they are able to attack the aluminium.

HOW CAN I AVOID THESE PROBLEMS?

1. Stick to the glue and grout manufacturers guidelines about water content, contained in technical data sheets.
2. Minimise the amount of glue and grout that contacts aluminium surfaces and clean up as soon as possible.
3. Change bucket water frequently, especially during grout clean up to prevent high PH water contacting the trim.
4. Wear appropriate personal protective equipment (PPE).
5. Use a quick set or accelerator material additive, such as Mapei Keraquick S1.

TOP TRADE TIP



Cold doesn't attack the trim - wet alkaline residue does.