

The Facts About Cold Weather Grouting

1. The colder the temperature of the mixed grout, the longer the working time.
2. Colder temperatures mean slower strength gain.
3. Slower setting of cement grouts in cold weather coupled with free air flow, often lead to moisture loss due to more “open time”. This usually reveals itself as cracking.
4. Epoxy grouts are dramatically affected by lower temperatures.
5. Pre-conditioning the grout, the area to be grouted and the mixer is critical to a successful epoxy pour.
6. Cement grout must be protected from freezing.
7. Warm water may be used to help speed the strength gain of pre-conditioned cement grout.
8. Warming the concrete the grout will be poured on may take time. Plan on warming the concrete at least a full day prior to grouting if possible.
9. Using warm water in cold grout will not yield a warm mixed material. Temperature is based on mass. 4 quarts of 85 degree water will not bring 30 degree grout to 70 degrees.
10. Heating the air above the area to be poured the morning of the pour will not compensate for a lack of conditioning over the previous 2 days.

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