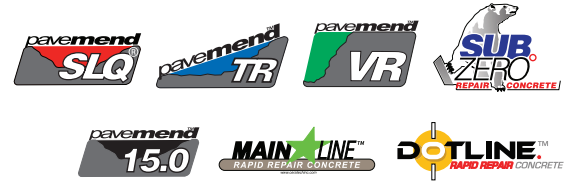


Instructions For Cold Weather Applications

Materials: Pavemend VR™
Pavemend TR™
Pavemend SLQ™
Pavemend 15.0™
Mainline™
DOTline™
SubZero™



1.0 General Recommendations

The following information should be considered and referenced when using these high performance products.

- Read the instructions/label on each bucket for Set Times and Mixing Instructions.
- Read the “Repair Site and Product Preparation Field Guide”. The guide can be found our web site www.ceratechinc.com.
- The mixing and set times given are for reference and should be adapted to the existing conditions (i.e. climate and ambient temperatures).
- Use the supplied thermal gun that came with the initial product order to measure the temperature gain and to determine when Critical Mixing Temperature is reached. (For Pavemend 15.0™, Pavemend SLQ™, Pavemend TR™, Pavemend VR™. Mix per time for, Pavemend SL™, Pavemend EX™, Mainline™ and DOTline™.
- The recommended re-trafficking times are based on a minimum compressive strength of 2500 psi.
- Reference to the following table to select the proper material at different ambient temperatures

2.0 Specific Recommendations for Cold Weather

- When materials are used at or below their recommended minimum temperatures a minimum thickness of 1” should be placed per lift. Do not apply any neat material at a 1” thickness or less below 40°F/4°C.
- Keep thermal gun protected (i.e. in a jacket pocket) when mixing below 50°F/10°C. Metal components in the gun are susceptible to temperature changes and could lead to erroneous temperature readings.
- All products must be mixed thoroughly and completely. The dry material and water must be combined completely at the start of mixing (i.e. within the first 30 seconds after water is added). Failure to do so will affect mixing times, set times and end performance characteristics.
- Our products undergo an exothermic (heat generated) chemical reaction when water is added and mechanical agitation is applied. While mixing, monitor material temperature (use supplied thermometer or equivalent). If materials are not mixed according to instructions its performance will be affected. (For Pavemend 15.0™, Pavemend SLQ™, Pavemend TR™, Pavemend VR™ and SubZero™)



For questions regarding product use and applications, contact our technical representatives at 1.888.341.2600 or visit www.ceratechinc.com

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2.0 Specific Recommendations for Cold Weather (CONTINUED)

- Use water between 65°F/18°C and 75°F/24°C. Never use mixing water over 80°F/27°C; it will negatively impact the chemical reaction.
- DO NOT HAND MIX PRODUCT! Use a heavy duty drill capable of 500-800 RPM and Jiffy type mix paddle
- Materials mixed below their recommended minimum ambient temperatures might not reach the recommended Critical Mixing Temperature for placement. In such conditions read the mix temperature (i.e. material and water) after 30 seconds of the mixing and continue to mix until a 30°F/22°C gain has been achieved in the mix. Then place the mater. (For Pavemend 15.0™, Pavemend SLQ™, Pavemend TR™, Pavemend VR™ and SubZero™)

3.0 Specific Notes for Pavemend 15.0® and TR

- If used below the recommended minimum ambient temperatures, Pavemend 15.0™ and Pavemend TR™ should be placed over an initial layer of Pavemend SLQ™ to avoid the head sink that will be produced by cold surfaces

4.0 Specific notes for Pavemend VR and TR Horizontal or Near Horizontal Surfaces

- If used below the recommended minimum ambient temperatures, Pavemend TR™ and VR should be placed over an initial layer of Pavemend SLQ® of Pavemend 15.0® to avoid the heat sink that can be produced by a cold surface.
- Below its minimum recommended ambient temperatures, Pavemend TR™ & VR may go through a harsh, thick condition before the mix temperature reached 65°F/18°C. This condition can be misleading as it represents a false set of material. Continue to mix the material until it has become fluid again. This condition will lead to extended mixing times (i.e. up to we minutes) and could be partially overcome by keeping the material warm and using mixing water between 75°F/24°C and 80°F/27°C
- Mechanical agitation will provide additional working time until an internal temperature of 120°F/49°C is reached.
- Do not add water to extend working times or finish the surface



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