



# APPLICATION INSTRUCTIONS

## Permaquik® 200 Crystalline Waterproofing

Capillary Waterproofing Formulation

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### 1. PURPOSE

- 1.1 The purpose of this document is to establish uniform procedures for installing Permaquik® 200 Crystalline Waterproofing.
- 1.2 The techniques involved may require modifications to adjust to job site conditions. Consult your Tremco Sales Representative for specific design requirements.

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### 2. SCOPE

- 2.1 This document will provide the necessary instructions for the application of Permaquik Crystalline Waterproofing to qualify for the manufacturer's warranty. Tremco recognizes that site-specific conditions, weather patterns, contractor preferences, and membrane detailing may require deviation or alteration from these prescribed installation procedures. When such circumstances and situations exist on a project, Tremco recommends that the local Tremco Sales Representative or Technical Service be contacted for assistance and approval as required.

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### 3. LIMITATIONS

- 3.1 As freshly applied crystalline waterproofing systems contain water, they must not be exposed to freezing temperatures. At the other extreme, it must be protected from drying out to quickly in hot or windy conditions.
- 3.2 Avoid prolonged contact with the skin. To minimize the risk of irritation from these alkaline materials, use rubber gloves.
- 3.3 Do not mix with latex modified or hydraulic cement mortars.
- 3.4 Do not paint surfaces treated with Permaquik 200 until 21 days after application, and first apply muriatic acid and water (1:5) to neutralize the surface chemicals.
- 3.5 Not for use in potable water applications.

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### 4. MEMBRANE APPLICATION

- 4.1 All surfaces to receive Permaquik 200 must be clean and free from oil, grease, paint, loose dust, and laitance. Horizontal surfaces should not have curing agents or hardeners applied prior to the crystalline product application. Rout or saw out 1/2" to 3/4" (13 mm to 19 mm) and repair all cracks wider than 0.01" (0.25 mm).
- 4.2 Ensure all vertical concrete surfaces are water blasted as moisture must be present in the capillaries prior to the crystalline waterproofing application. Dry broadcast Permaquik 20 on horizontal surfaces. It may be broadcast into the first pour of concrete and vibrated prior to the second pour.
- 4.3 Mix two and one-half parts of Permaquik 200 to one part water by volume to produce a mixture suitable for brushing or spraying. The mixture should be used up within half an hour, after which time it starts to thicken. Install slurry coats in two passes with the second being applied with the first is still tacky. Intermittent fogging with water the day after application is recommended. Surfaces may be backfilled 24 hours after application. After backfilling, saturate material adjacent to the walls with water.

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