

Description

Permaquik Super 200 is applied as a slurry coat on interior or exterior concrete or block structures to create a waterproofing barrier through the thickness of the wall. It can be applied by "broadcasting" the dry powder onto horizontal concrete surfaces at the time of initial set and power or hand floating the powder into green concrete. Permaquik Super 200 coatings when hardened are resistant to many salts and alkalis and to sea water. Because they are dense, they even tolerate mildly acidic conditions and offer protection against frost damage, waste water, and are used as waterproof bonding between old and new concrete and in construction joints.

Surface Preparation

Slab surfaces to receive slurry applications shall have a wood float or rough finish only.

Do not treat concrete surfaces with floor hardener or curing agents prior to the application.

Surfaces shall have an open capillary system to assure permanent bonding of the application.

Remove all form scale, oil, form release agents and any other foreign materials likely to affect the bond, penetration and performance of the Permaquik waterproofing. Employ steam cleaning, acid etching or light sand blasting if necessary.

Form tie holes shall be left approximately 1" back of surface.

Honeycombed pockets and faulty construction joints shall be routed out to sound concrete, apply slurry coating of Permaquik Super 200, 2.0 lbs/sq.yd and fill with Permaquik Mortar 300 in laminating layers.

Construction joints and visible cracks in concrete surfaces exceeding hair-line size (larger than 0.01") shall be routed out 3/4" deep.



Application

Dry Seeding

When concrete of structure slab starts to reach initial set, dry sprinkle Super 200 2.5 lbs./sq.yd. (1.3 Kg.M²) on concrete surfaces and power trowel or wood float surfaces until uniformity in coverage and specified finish is reached.

Slurry application

Wet down surface to receive slurry waterproofing with moisture contain 18° to 40° (Protimeter Instrument). Apply to concrete surfaces with Permaquik Super 200, 2.5 lbs/sq.yd. (1.3 kg. metres²) in slurry consistency. Permaquik slurry coatings shall be uniformly applied in quantities specified (in one or two successive passes). The second slurry coating of Permaquik Super 200 can be applied while the first coat is still green, but after it has reached an initial set.

Protection and Curing

When temperatures fall below freezing, cover treated surfaces with tarpaulins, etc., and maintain surface temperature above 5°C for a minimum period of two days after the completion of the application.

Protect the freshly treated surfaces from rain for a minimum of 24 hours.

Moisture cure all treated surfaces for a minimum period of two (2) days starting with fine water fog spraying the day following completion of the application.

During extreme hot weather, it might be necessary to apply light water fog spray to the freshly applied slurry application in order to prevent dehydration of the coatings.

Mixing

Separate containers shall be used for measuring by volume the powdery Permaquik materials. Water shall be free from matter deleterious to the materials. Add water to the Permaquik materials (not vice-versa) and mix thoroughly. Measure 1 part water to 1.5 - 2.5 parts powder.



Prepare only as much slurry mixture as can be applied within 20 minutes. Do not add more water when mixture starts to thicken.

Shelf Life

Up to 18 months in sealed containers.

Storage

Store packaged materials in original undamaged containers with manufacturer's labels and seals intact, in dry enclosed area, off the ground. Prevent damage to materials during handling and storage.

