

PRM-16™

Polishable Repair Mortar

Technical Information Sheet

Product Description

PRM-16™ is a high performance concrete repair mortar designed for small repairs in polished concrete surfaces. Rapid drying, exceptional hardness and volume stability combine with the natural look of concrete to create a fast, durable repair of polished surfaces. Optimized for repairs of up to 2" deep and 4"x 4" PRM-16 is typically ready for grinding and polishing in as quickly as 4 hours. PRM-16 utilizes a high concentration of recycled materials and demonstrates market leadership in durability and sustainability.

Limitations

MVER or moisture vapor emissions rate shall not exceed 10 pounds per ASTM F-1869 or 85% RH per ASTM F-2170. Concrete substrate must be profiled to a CSP-3. The application temperature should be between 50-80 degrees F. (10-26 C)

Coverage Rate

One 16 pound unit of PRM-16™ will yield approximately 2.5 ft² at 2" depth.

Equipment

PRM-16™: Mixing container, calibrated pails, 650 rpm drill motor, mortar mixing paddle, latex gloves, safety glasses, particle masks.

Surface Preparation

Prepare surfaces to clean, sound concrete and then prepare concrete surface to a Saturated Surface Dry state (SSD). For a proper SSD condition the surface should be wet with no standing water any place. As an alternate, utilize an epoxy sand broadcast priming method with a quick cure epoxy. NEVER apply to a dry concrete surface, apply only to an SSD surface or epoxy sand broadcast surface.

Mixing

1. Prior to adding water, loosen up the material in the pail via rolling, or dry mixing. Use up to 1 US Qt (0.95 L) of clean potable water per unit of PRM-16™ and mix to the desired consistency. Do not add more than 1 US Qt (32 Oz, 0.95 L) of water per 16 lb unit.
2. Mix PRM-16™ with mortar paddle and drill at approximately 650 Rpm for 2.5 minutes. Be careful not to entrain air by excessive up and down movement of the paddle. Do ensure all powder is mixed from the bottom and sides of the vessel.
3. Mixing small amounts: Use the same prescribed methods that are listed above with the ratio of 4.5 parts powder to 1 part water. Never mix more material than can be used within 10 minutes.

Safety

See Material Safety Data Sheet (MSDS). This document does not purport to address all of the safety concerns, if any, associated with its use. Dispose of any unused materials in accordance with Federal, State and Local regulations. The use of a dust mask, safety glasses and gloves is recommended. Keep out of the reach of children. Silica sand is a carcinogenic and is known to cause cancer.

Packaging and Shelf Life

The PRM-16 is packaged in 16 pound pails. The shelf life when properly stored indoors is 1 year from manufacturer date.

Application

The application temperature range should be between 50-80 degrees F. (10-26 C).

Apply the material, spreading with a trowel into the primed (SSD) surface. The natural gradation of the material will ensure the area being filled is 1/8" above the surrounding areas. Use a trowel with mechanical pressure to consolidate the material at the surface.

Working time for the material is approximately 15-20 minutes.

PRM-16™ is a finely engineered product with exceptional volume stability, DO NOT ADD ADDITIONAL WATER beyond the specified amount.

Dry Time and Polishing

Allow the PRM-16™ to dry for a minimum time of 4 hours before polishing begins. Protect the area from exposure to direct sun or wind during the curing and drying time.

The polishing steps should follow the same as other adjacent areas. Use a 100 grit Transitional diamond or a 100-200 grit resin bonded diamond to remove excess material from the repair. Then follow the normal polishing steps to completion.

Warranty

DIAMATIC™ warrants that its products are free from defects in materials and workmanship. If any DIAMATIC™ product fails to conform to this warranty, DIAMATIC™ will replace the product at no cost to the buyer or refund the purchase price, at DIAMATIC'S™ election. Any warranty claim must be made within one (1) year from the date of the shipment of the product to the buyer. In no event shall DIAMATIC™ be liable to the buyer for any consequential or incidental damages of any nature. DIAMATIC™ MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, WRITTEN OR ORAL AS TO THE MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF ITS PRODUCTS AND EXCLUDES THE SAME. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.

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VOC 0
Health 2
Flammability 0
Reactivity 0
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