



PRODUCERS OF
FLOORING AND SEALER PRODUCTS
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Desert Brand

TECHNICAL BULLETIN

CMFPS

Description

Desert Brand Concrete/Masonry Floor Paint and Sealer (CMFPS) is a superior-performance latex floor coating which is formulated to enhance and protect porous concrete/masonry walking surfaces. It's durable, low luster finish seals concrete/masonry porches, patios, decks, and walkways.

Pigmented CMFPS can be used to enhance and protect new or aged concrete walking surfaces including previously sealed magnesium oxychloride floors, decks, and stairs.

Clear CMFPS can be used to enhance and protect new or aged (unpainted) concrete walking surfaces; thereby, providing a deep-penetrating, non-yellowing, scuff resistant finish.

CMFPS is not recommended for concrete garage floors or other surfaces where vehicles are parked. Tires may cause some lifting of the coating.

Surface Preparation

All surfaces must be clean, free of grease, oil, dirt, wax, or other foreign matter. Citrus degreasers or other suitable cleaning agents may be used providing they are used in accordance to the manufacturer's recommendations and surfaces are thoroughly rinsed. In some cases, scraping and wire brushing of previously applied coatings, followed by sanding, may be necessary. New concrete surfaces must be aged at least 60 days prior to application of coating. New concrete or unpainted concrete may require treatment with diluted muriatic acid, followed by a thorough rinsing with water, to control efflorescence and to increase porosity of the surface being coated. When using muriatic acid, use and disposal must comply with manufacturer's recommendations including Local, State, and Federal regulations. Use Desert Brand Concrete/Masonry crack filling and patching products for all masonry repairs.

Method of Application

Stir contents thoroughly. Do not dilute unless noted otherwise. After thorough preparation of surface. CMFPS can be applied by brush or roller. Synthetic or nylon bristled brush is recommended. 1/4" nap roller is recommended for smooth surfaces. For rough surfaces 3/8"-1/2" nap roller is recommended. Unpainted and highly porous surfaces should be lightly dampened with water. However, excessive moisture must be avoided. Two thin applications of material are recommended, especially on unpainted and highly porous surfaces. Allow 24-48 hours between coats. When two coats of pigmented CMFPS are to be applied, thin the first coat with water. Do not exceed one pint of water to one gallon of material. Avoid application in direct sunlight. For best results, apply material when surface temperature will remain between 55°F and 85°F for 8 hours after application. One gallon covers approximately 350 to 450 square feet, depending on surface porosity.

For best results, foot traffic should remain off the finished surface for 24 hours after application. Prolonged periods of high humidity or damp weather conditions will increase drying time. For heavy foot traffic, allow 72 hours for curing.

Tinting

CMFPS, in white base, may be tinted to achieve a desirable pastel shade. Use universal colorants only and do not exceed 4 oz. of tint to one gallon of material.

Cleaning of Tools

Equipment and hands may be cleaned with mild liquid detergent and warm water. Dry material can be removed with lacquer thinner following manufacturer's cautions. Disposal of any unused material, if desired, must comply with Local, State, and Federal regulations.

Precautions

Do not allow CMFPS to freeze. If allowed to freeze, material will not thaw to a usable product.

Prior to application of CMFPS, it is recommended to perform a small test sample with 24 hour cure time to determine the best method of application and desired results. Make certain that the bond to any previously applied stain or coating is secure. Check for any unwanted change before proceeding with complete application.

WARNING! Possible Slipperiness.

CMFPS, like any quality finish, reduces the porosity of the surface being sealed. BEWARE that oil, water, mud or other materials on a sealed walkway can make the surface slippery and therefore potentially dangerous. Good housekeeping and maintenance are important - good drainage is imperative.

To ensure a more slip resistant surface, we recommend the use of Desert Brand Silica Granules. Evenly broadcast the granules over the first wet coat of CMFPS. After 24 hours, sweep excess (unbonded) granules from surface with a clean push broom, followed by a topcoat application of CMFPS to encapsulate the granules. Allow to dry 72 hours before allowing heavy traffic.

Hill Brothers Chemical Company cannot know: (1) the porosity or what type of surface is being coated; (2) how CMFPS or Silica Granules are being applied or; (3) under what conditions the surface is being used. Therefore, Hill Brothers does not assume any responsibility for the slipperiness of the surface coated with CMFPS, whether or not Silica Granules are used.

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