

CONCRETECH

PM1 Hardener Pre-Mix Cementitious Floor Hardener

PRODUCT DESCRIPTION

CCT PM1 Hardener is a pre-bagged blend of Normal Portland Cement, Quartz (Non-Metallic) aggregate and selected admixtures that provides enhanced resistance to abrasion on commercial and industrial base slabs. PM1 Hardener densifies the surface layer of concrete slabs by carefully graded aggregates and void filling. CCT PM1 Hardener is manufactured under rigid quality control standards and incorporates "superplasticizing" agents to aid in finishing.

USES

PM1 Hardener is used on any base slab where improved abrasion resistance and low permeability is desired. PM1 Hardener is ideally suited for commercial and industrial base slabs subject to medium to heavy loads. PM1 Hardener is typically used on warehouse floors, parking garages, schools or institutions or wherever a mild chemical and abrasion resistant floor is desired. PM1 Hardener is available in natural or several standard and designer colours to create "architectural" concrete slabs.

BENEFITS

PM1 Hardener is formulated to a bright reflective white and a bright yellow colour for architects and engineers who wish to incorporate floor zoning into the operational and safety programs.

PACKAGING

Available in 22.7 kg (50 lb.) multi-wall paper bags.

LIMITATIONS

Do not use in environments subject to frequent spillage of chemicals known to attack and deteriorate concrete.

Do not apply PM1 Hardener to base slabs incorporating calcium chloride or air entraining agents. PM1 Hardener can be batched on request using Type 50 cement for enhanced chemical and sulphate resistance.

INSTALLATION INSTRUCTIONS

- Place the base slab
- Strike base to specified level
- Level and consolidate base slab using a wood float
- Broadcast PM1 Hardener uniformly at the point when the base slab can support the weight of a worker on knee boards.

- Broadcast 3/4 of the specified amount of PM1 Hardener on the first shake.
- Rake the surface to even the shake application.
- After PM1 Hardener has absorbed sufficient surface moisture, power float the material into the surface.
- Broadcast the remaining amount of PM1 Hardener onto the surface.
- Rake the surface to even the shake application.
- Continue to float and trowel the surface to achieve the desired finish.

PROPERTIES

Appearance:	Available in several standard & designer colours
Yield:	0.5 – 1.25 lbs./square foot (2.4 kg – 6.1 kg/square meter)
Shelf Life:	Approximately 1 year when stored properly
Hardness:	7.0 Mohs
Compressive Strength:	3 days: 4100 psi (28 Mpa) 28 days: 7250 psi (50 Mpa)

SAFETY PRECAUTIONS

PM1 Hardener is a blend of Portland Cement, Silica Sand and chemical admixtures. Appropriate Safety Wear like dust masks, rubber gloves and safety glasses should be worn throughout the handling and placing process. Consult PM1 Hardener MSDS for further information.

TECHNICAL SERVICES

Complete technical information is available from Concretech Inc. and its authorized applicators and distributors. In house laboratory testing is available for specialty applications. Technical services available in North America call toll free 1.888.503.6780

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