



MASONS SUPPLY COMPANY

OREGON ♦ WASHINGTON

MASCOCRETE

Polymer Modified Cementitious Finishing Material

DESCRIPTION

MASCOCRETE is a single component, polymer modified, portland cement based material used for achieving a smooth finish on vertical surfaces such as precast, poured in place, tilt up or other unfinished or damaged concrete surface.

USES

- Fill bug holes and honeycombs
- Skimcoats
- Brighten and restore old concrete
- Resurfacing

FEATURES AND BENEFITS

- Feather-edge to 1/8 inch, up to 1/4 inch when extended with clean sand
- Smooth, creamy consistency
- User friendly
- Add only water
- Low shrinkage
- Color controlled concrete gray
- Long working time

Material Properties at 75°F

ASTM C266

Initial Set, min. 20-30

ASTM C109

Compressive Strength, psi
7 days 3,000
28 days 5,250

ASTM C78

Flexural Strength, psi
7 days 500
28 days 750

SURFACE PREPARATION

Concrete surfaces must be structurally sound, free of loose or deteriorated concrete and free of dust, dirt, laitance, oil, grease, curing compounds, coatings and other bond inhibiting materials from surface. New concrete and masonry must be cured 28 days. Abrade non-absorptive concrete to obtain a proper profile for good adhesion. Flush area with clean water to remove all dust and saturate surface. Substrate should be

saturated surface dry (SSD) with no standing water during application.

MIXING INSTRUCTIONS

In a clean container, add mixing water. Using a 1/2" slow speed (400 600 rpm) drill and a Jiffy mixer, gradually add the MASCOCRETE powder to mix water to produce a soft creamy putty consistency without lumps. Do not mix longer than 3 minutes. Do not entrap air while mixing. Water requirements are typically 2 to 2-1/2 quarts per 20 pound pail. For smaller quantities mix 1 part of clean mix water with 3 parts of MASCOCRETE powder by volume. MASCOCRETE can be extended up to 25% by weight with clean washed sand for a coarser texture and for applications up to 1/4" depth. For improved properties replace 25% of the mix water with MASCOBOND AR.

APPLICATION & FINISH

Minimum ambient and surface temperatures 40°F and rising at time of application. Apply MASCOCRETE to walls with a float or trowel in a smooth uniform coat. Deep repair areas should be patched to within 1/8 inch of the surface using a compatible repair mortar such as MASCOPATCH. MASCOCRETE can be used from featheredge to 1/8 inch thickness. If extended 25% by weight with clean washed sand MASCOCRETE can be applied up to 1/4 inch.

CURING

As per ACI 308 Standard Practice for Curing Concrete, curing of MASCOCRETE is required. Mist cure should begin immediately after finishing and continue for the following 3 days. Protect newly applied material from direct sunlight, wind, rain, frost and freezing. In hot weather conditons refer to ACI 305R Hot Weather Concreting for more information. In cold weather conditions refer to ACI 306R Cold Weather Concreting for more information.

SUBSEQUENT PAINTS & COATINGS

Always follow manufacturer's literature and guidelines for surface preparation procedures. Generally, all water based coatings, paints or sealers which can be used over concrete may be used on MASCOCRETE, observing the same precautions. MASCOSEAL SILOXANE 6% WB is recommended when using MASCOCRETE as a finished surface, let MASCOCRETE cure 2-3 days before application depending on conditions.

YIELD

Twenty (20) lbs. pail of MASCOCRETE will yield approximately 0.20 cubic feet and will cover approximately 20 square feet at 1/8 inch thickness.

CAUTIONS

DO NOT use in areas subject to water submersion. DO NOT overwater! Excessive water weakens the material and reduces its durability. MASCOCRETE may be remixed but do not retemper or add water. Unextended MASCOCRETE should be applied to a maximum thickness of 1/8" per application. Do not retemper or over trowel. Minimum ambient and surface temperature must be 40°F and rising at the time of application. Protect from rain or freezing. In thin applications and dry, hot and windy days with rapid drying conditions if mist spray is not applied, moisture may be pulled out before MASCOCRETE can complete hydration and curing. Normally, MASCOCRETE will give a smooth finished surface which does not require sanding. If MASCOCRETE is applied under rapid drying conditions, sanding and removing the hard surface may leave a softer layer of MASCOCRETE. Do not cure with solvent based curing compounds. Always do a trial installation to be sure you are getting desired results before proceeding with the job. Always seal MASCOCRETE with MASCOSEAL SILOXANE 6% WB when using as a finished surface.

PACKAGING

20 lb pail.

Storage: 50° - 90° F; in dry conditions.

Shelf life: One year in protected storage.

Freight Class: Class 55

DOT/UN Shipping Name: Non-regulated

DOT Hazard Class: Non-regulated

Shipping Name: Non-regulated

HAZARDS IDENTIFICATION

Breathing dust may cause nose, throat, or lung irritation and choking. May cause eye irritation, severe burns and damage to the cornea. Skin contact may cause dry skin, redness, discomfort, irritation or severe burns. May produce allergic reaction. Thickening of the skin (scleroderma) may be associated with exposure to high levels of crystalline silica. Ingestion of large amounts may cause intestinal distress. Prolonged inhalation of respirable silica will result in permanent lung damage, silicosis. Respirable crystalline silica is a suspected cancer agent by NTP and IARC. Read MSDS for more information.

FIRST AID

Inhalation: Remove victim from exposure to fresh air. Seek medical attention.

Eyes: Rinse carefully with water. Seek medical attention.

Skin: Wash thoroughly with soap and water. Use moisturizing creams for irritated skin. Seek medical attention for burns or if irritation persists.

Ingestion: Do not induce vomiting but drink plenty of water. Seek medical attention for discomfort.

CLEANUP INSTRUCTIONS

Clean tools and application equipment immediately after use with water before MASCOCRETE hardens. Hardened MASCOCRETE will require mechanical abrasion for removal.

TECHNICAL SERVICE

For application procedures or surface conditions not specified above, please contact:

MASONS SUPPLY

2637 SE 12th Ave

Portland, OR 97202

(503)234-4321, FAX (503)234-5606

masco.net

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OR Airport (PDX) Clackamas Eugene West Eugene Hillsboro Medford **Portland** Salem Tualatin
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WA Seattle Tacoma Vancouver Vancouver Form **Woodinville**
(206) 767-4645 (253) 581-6161 (360) 694-8700 (360) 737-7969 (425) 487-6161