

MASTERTOP® CST

Concrete Surface Treatment

DESCRIPTION:

MASTERTOP® CST is a water-based concrete surface glaze and treatment. It has been developed with a high efficiency silicate and wetting agent, and is V.O.C. free. MASTERTOP CST penetrates and chemically reacts with the lime on or near the surface, forming an insoluble gel within the pores. This chemical reaction develops a shine and can densify the surface of improperly cured concrete.

RECOMMENDED FOR:

- Enhancing the gloss of concrete, mortar, or cement based terrazzo.
- Reduced dusting of poorly cured concrete.
- Newer (older than 28 days) and existing concrete surfaces.

FEATURES/BENEFITS:

- Imparts an integral shine which improves with time and maintenance.
- Reduces dusting on poorly cured concrete.
- Improves resistance to oils and grease.
- Minimizes absorption by sealing the pores.
- Increased resistance to rubber wheel marks.

ESTIMATING:

One gal (3.8 L) will cover approximately 150 to 400 ft² (3.7 to 9.8 m²/L) depending on texture and porosity of surface. Because of different surface types and textures, coverage can vary dramatically with this type of material. The following chart should be used as a guide only.

	Rough Trowel Finish	Broom /Flat Finish	Hard Trowel Finish
Newer	150 to 250	200 to 300	300 to 400
Aged	150 to 250 ft ² per gal	150 to 250	200 to 300

Although porous concrete may require more than one coat, a second coat is recommended for most applications.

PACKAGING:

MASTERTOP CST is packaged in 5 gal (18.9 L) pails, and 55 gal (208 L) containers.

SHELF LIFE:

Shelf life of MASTERTOP CST is 12 months from date of manufacturing.

LIMITATIONS:

- Do not use:
 - as a substitute for a curing compound.
 - on concrete, mortar, or cement based terrazzo less than 28 days old.
 - on sealed concrete floors without proper removal of the sealer.
 - on liquid membrane cured surface without proper removal of material.
 - on extremely porous substrates (i.e: lightweight concrete)
 - when surface or ambient temperature is below 40 °F (13 °C)
- Do not allow material to contact glass, fabric, metal or painted surfaces.
- Do not apply to smooth troweled floors which require ADA compliance for wet coefficient of friction.
- Not recommended for colored dry shake floors.
- Keep from freezing.

INSTALLATION:

Read and understand data sheet completely prior to beginning installation. A jobsite sample should be prepared by installer for owner acceptance/approval prior to actual installation.

Surface Preparation: Remove all dirt, oil, grease, sealers, curing compounds and any other surface contaminant that may inhibit proper penetration. Allow the surface to dry.

Application: Agitate MASTERTOP CST in the factory container prior to application. Apply evenly by sprayer, squeegee, roller, or mop. Although porous concrete may require more than one coat, a second coat is recommended for most applications. Take care to avoid puddling.

First Coat: Apply material uniformly to substrate; while keeping the entire area saturated for at least 30 to 40 minutes, to ensure maximum absorption. Redistribute as necessary to avoid surface drying during this time. (Extra care should be taken on porous/absorptive concrete.)

When the surface begins to gel, apply light water spray to area and squeegee away excess material. Allow surface to dry.

NOTE: MASTERTOP CST dries in about 30 minutes, depending on ambient conditions. Allow 1 hour between applications.

Second Coat: Apply material uniformly to substrate keeping the entire area saturated for 5 minutes. Mop or squeegee away any excess material immediately. Avoid build up of material in low spots. Allow surface to dry completely.

Do not wash treated area for at least 24 hours after application.

Properly maintained concrete surfaces treated with MASTERTOP CST will develop a glossy shine over time. However, buffing the surface after drying will help bring out the shine more quickly.

Caution: If white crystals develop, rinse and brush entire area with warm water and squeegee away.

RELATED BULLETINS:

Material Safety Data Sheet - MASTERTOP CST

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