

Technical Data

COVERAGE

1 - 50 lb. bag of **SureBroom** =
90 sq. ft. @ 1/16" thickness

TECHNICAL DATA

COMPRESSIVE STRENGTH ASTM C-109

7 day 3750 PSI

28 day 6100 PSI

ABRASION RESISTANCE ASTM C-944

1 day 1 grams lost

7 day 1 grams lost

TENSILE STRENGTH ASTM C-190

1 day 280 PSI

7 day 560 PSI

28 day 890 PSI

FLEXURAL STRENGTH ASTM C-78

7 day 850 PSI

28 day 1500 PSI

SHEAR BOND ASTM C-882 Modified

7 day 1100 PSI

28 day 1650 PSI

Mortar scrubbed into substrate

CURING

Allow to air cure after application. Care should be taken when weather conditions impart variables that may cause the overlay to dry out too quickly. High heat, sunlight and especially windy conditions may be detrimental to the proper curing of the overlay. Attempt to minimize application during such harsh conditions by working during cooler hours, keeping all materials shaded prior to mixing and setting up plastic or temporary walls to block wind.

DESCRIPTION

SureBroom is a trowelable or squeegee applied cementitious topping for leveling and retexturing both interior and exterior concrete surfaces. When broomed, it creates a texture that resembles freshly poured and broomed concrete.

USES

Typical areas include parking decks, driveways, sidewalks, parking lots or any horizontal concrete surface requiring repair of spalled areas, low spots, etc. **SureBroom** is applied with a base coat using squeegees, then broomed. A finish coat is applied and broomed creating a slip resistant finish that is ready to be sealed to protect against staining. **SureBroom** is suitable for heavily trafficked areas.

CHEMICAL MAKEUP

SureBroom imparts additives, which enhance the cement in the system. Special polymers create adhesion and flexibility essential in a thin topping. Our use of high performance admixtures increase strength, reduce permeability and shrinkage by combining with calcium hydroxide produced during hydration of the cement. The admixtures also help improve chemical resistance, reduce efflorescence and alkali-silica reactions.

APPLICATION

Base Coat: Begin by saturating area to be covered with water. Before application of base coat, remove any excess water leaving no puddles. The surface should be saturated, surface dry (SSD). Mix water at the rate of 7 - 8 qts. to 1 - 50 lb. bag of **SureBroom**. Mechanically mix to a lump-free consistency. Place the base coat with a brush, broom, or squeegee and force into surface completely covering existing concrete. Lightly broom to obtain profile.

On irregular slabs requiring extensive patching, it is recommended to use **Flash Patch** and/or **Deep Level**. **SureBroom** will sag and shrink in deeper pits and voids. **SureBroom** may be installed in multiple lifts with no brooming to create a superior smooth surface. As product dries, scrape and use leaf blower to remove loose material.

Finish Coat: The finish coat matches the base coat installation and mix ratios. Begin by saturating the base coat with water, leaving no standing puddles, SSD. Place material with steel squeegee and lightly broom. As product dries, scrape and use leaf blower to remove loose material. To complete the installation two thin coats of **SureDeck** acrylic sealer are required.