



DESCRIPTION:

A single component concrete resurfacing system of pre-blended Portland cement, aggregate, polymers and specialty additives. PCS Concrete Overlay requires only the addition of water for blending. The product can be squeegeed, sprayed or troweled to create a broom finish, orange peel or knock down texture. PCS Concrete Overlay can be integrally tinted by using pre-measured pigment packs, along with a color wash sealer to create a variety of colors. Consult manufacturer when desiring to produce colors.

USES:

- Top Coat for traffic waterproof system.
- Pool decks and patios, repair salt damage
- Parking lots, driveways, warehouse floors.

PREPARATION:

Concrete: Clean all areas to be coated with a minimum 3000 psi pressure washer. All oil, grease, dirt, paint, sealers or anything that would inhibit the overlay from coming in contact with the pores of the concrete, must be removed mechanically. Hard, densely troweled finishes must be ground down to create a profile.

CONCRETE PREPARATION:

Patching: for deep spalls use PCS VOH to bring surface flush with surrounding floor. Priming: Begin by diluting Primer One with water at a 50:50 ratio. Use a paint roller or pump up sprayer to cover all concrete to be coated, with a thin film. Begin installation of the overlay after the film has dried clear.

LIMITATIONS:

Apply in temperatures between 40 F and 100 F. Over watering is extremely detrimental to product performance. Hot conditions will require the use of chilled or ice water. Store bags in shaded area prior to mixing. Do not allow Primer One to freeze.

MIXING AND APPLICATION:

Each 50 lb. bag of Overlay requires the addition of 5 to 5.5 quarts clean water. Additional water may be needed to adjust consistency. Mix approx. 2-3 minutes creating a smooth, lump free mix is achieved. For all applications a bonding primer is applied to substrate and allowed to dry. Skim coat can be applied over primer by trowel or squeegee. Once skim coat is dry one of three finishes can be applied.

Broom finish, Orange peel, Knock-down texture. Once you have finished and area is completely dry, it can be sealed with appropriate color wash sealer. Allow 24 hours to cure for foot traffic and 4-7 days for vehicle traffic.



TECH DATA

COVERAGE:

50 lb. bag

Skim coat: Approx. 100 sq.ft
Broom coat: Approx. 100 -150 sq.ft
Spray: Approx. 75 - 100 sq.ft.

PACKAGING:

50 lb. bags (22.68 kg) gray.

COMPRESSIVE STRENGTH:

ASTM C-109	24 hours – 1500 PSI	7 days – 3250 PSI 28 days – 5890 PSI
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TENSILE STRENGTH:

ASTM C-190	24 hours – 210 PSI	7 days – 560 PSI 28 days – 890 PSI
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TENSILE STRENGTH:

ASTM C-348	24 hours – 210 PSI	7 days – 290 PSI 28 days – 550 PSI
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BOND STRENGTH:

ASTM C-1583 Pull Off Method	28 days – 500 PSI Bond failure in substrate
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ABRASION RESISTANCE:

ASTM C-1353 Taber Wheel H-22	1000 revolutions	1.89% loss
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SHEAR BOND STRENGTH:

ASTM C-882 Modified	24 hours – 300 PSI	7 days – 1100 PSI 28 days – 1650 PSI
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FREEZE THAW RESISTANCE:

PennDOT PTM – 63 Freeze/Thaw	25 cycles	Avg Weight Loss 2.52%
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