



Z-TREAT EXTEND PCP

Penetrating lithium silicate hardener and densifier

DESCRIPTION

Z-Treat Extend PCP is a liquid hardener and densifier for protecting concrete surface and increasing the longevity of the surface profile. Z-Treat Extend PCP uses the benefits of lithium silicate to penetrate the substrate and react with calcium hydroxide to form insoluble calcium silicate hydrate, making the treated concrete more resistant to water, stains, and abrasion, giving the surface a longer life. This treatment helps prevent efflorescence and other problems associated with other soluble silicates. It will not alter the appearance of the concrete. Z-Treat Extend PCP is designed to prolong the life of concrete by increasing hardness and abrasion resistance by a minimum of 30%.

ADVANTAGES

- One time treatment, no need to reapply
- Hardens, densifies and dust-proofs
- Easy-to-use, low odor, no rinsing required
- Not susceptible to UV damage
- Breathable - Allows moisture to escape without damage to the surface
- Penetrates - No film to lift or peel off
- Reduces efflorescence and surface sweating
- Does not contribute to surface ASR or promote crazing
- VOC compliant, may contribute to LEED points (IEQ credit)

APPLICATIONS

- Bridge decks
- Parking decks
- Concrete floors
- Roadways
- Airport runways/taxiways
- Columns and beams in splash zones
- Consolidation of porous and dusting surfaces

PACKAGING

- 10 Gallon Kit (2 ea 5 Gallon Buckets)
- 110 Gallon kit (2 ea 55 Gallon Drums)
- 550 Gallon Kit (2 ea 275 Gallon IBC)

USES

Concrete exposed to moisture and/or deicing chemicals- Bridge Decks, barrier walls, bridge railings, wing walls, approach/departure slabs, concrete roadway pavement, header walls, expansion/control joints, salt sheds concrete medians.

ESTIMATED COVERAGE

Smooth-finished: 600 ft² per gallon (14.7-19.6 m² per liter) Broom-finished: 200-250 ft² per gallon (6.1-8.6 m² per liter)

*Coverage rate will vary depending on concrete porosity and environmental conditions.

PHYSICAL PROPERTIES

COLOR: clear

ODOR: Slight to none

TOTAL SOLIDS: 7%

SPECIFIC GRAVITY: 1.02

pH: 11-12

VOC CONTENT: <50g/



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DIRECTIONS FOR USE

Application by spray rig and/or brush to new or existing concrete surfaces. (Always test each concrete surface for suitability and desired results. Let surface dry before inspection and approval of desired application.)

SURFACE PREPARATION

Roadway dirt and debris shall first be removed from the area of the deck to be treated. The surface should be prepped and thoroughly cleaned and swept manual, power broom swept or blown with compressed air so that the surface shall be dry and free of dust and dirt. High-pressure compressed air shall be used to blow all loose material from visible cracks. The cleaning equipment shall be fitted with suitable traps, filters, drip pans, driers and other devices to prevent oil and other foreign material from being deposited on the surface. Traffic shall not be allowed on the clean surface prior to application of the sealer. All traces of asphalt or petroleum products and concrete curing sealers shall be removed prior to treatment.

INSTALLATION

Only apply product when temperatures will be above 40° F (4° C) for at least 2 hours following application. Clean surface to remove any contaminants that may prevent Z-Treat Extend PCP from penetrating. If acidic, citrus or d-limonene cleaners have been used, neutralize the surface using an alkaline cleaner (TSP, Tide laundry detergent, etc.) and rinse well with water. Using a sprayer, apply Z-Treat Extend PCP evenly on the surface while keeping the surface wet with product for 20 minutes.

For vertical surfaces, apply “wet on wet” starting at the highest elevation, spraying to maintain a 6” dripline below the spray pattern. On newly placed, broom-finished concrete, Z-Treat Extend PCP may be applied seven days following finishing. Keep the product from puddling as it dries on the surface. If curing materials have been applied, it is necessary to apply Z-Treat Extend PCP after removing the cure. Epoxy overlay systems can be applied without product removal or additional surface preparation. The surface is ready for use when dry.

*It may be necessary to spray cold water on the concrete surface if temperatures are above 90° F (32°C). This will help to cool the surface prior to the application of Z-Treat Extend PCP to prevent flash-drying on the surface. Proceed with product application once the surface is dry to touch.

*Always do a small test sample on the surface before full application to be sure there are no variables or contaminants in the substrate that may be incompatible with this product.



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LIMITATIONS

Important note: CONCRETE SURFACES ONLY. Structural rehabilitation of pavements should be analyzed by a qualified, licensed structural engineer. For subsequent coatings applications (curing compounds, epoxies, High friction Surface treatments (HFST) HiMod overlays), perform proper surface preparation and consult the coating manufacturer for more instructions. Concrete mixture and curing compound, admixtures, form release agents, curing compounds may adversely affect penetration or reaction. Z-Treat Extend PCP is not a crack filler.

- DO NOT USE as a joint or expansion joint filler. The material is not designed to bridge or repair cracks.
- DO NOT USE on asphalt surfaces.
- DO NOT allow Z-Treat Extend PCP to contact any glass, fabric, metal, or painted surfaces. Immediately wipe contaminated surfaces with a clean water-saturated cloth, then wipe dry with a second clean cloth.

CLEAN UP

Use soap and water to clean tools and equipment. Z-Treat Extend PCP is non-toxic and environmentally safe. Because it is alkaline, use excess material or allow it to dry out and dispose of according to local regulations. Do not pour into sewer systems or storm drains.

HEALTH & SAFETY

Safety: Use OSHA-approved personal protective equipment (PPE), including safety glasses, gloves and confined space equipment/ procedures if applicable. Avoid skin contact; do not ingest. See SDS for complete safety precautions. For professional use only.

FIRST AID

KEEP OUT OF REACH OF CHILDREN. Do not drink.

Eye Contact: Immediately flush with large amounts of water. Seek medical attention. **Inhalation:** Move to fresh air if symptoms occur. If breathing is difficult, seek medical attention. **Ingestion:** Seek medical attention immediately. **Skin Contact:** Wipe off contaminated area and wash with soap and water immediately.

MANUFACTURING

Products are manufactured by ZIIS (Utah Foam Products Inc.) in the U.S.A. under strict quality assurance practices at our Salt Lake City, UT plant.

WARRANTY & DISCLAIMER

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