



Z-TREAT EXTEND PCP

Asphalt Aggregate Hardener for longer Asphalt life

DESCRIPTION

Z-Treat Extend PCP is a liquid treatment for concrete surfaces that are subject to premature wear. Z-Treat Extend ACP uses the benefits of lithium silicate to penetrate and react with the concrete to make the treated surface more resistant to water, wear, abrasion, and freeze-thaw cycles, giving the surface texture a longer life. It will not alter the appearance or hinder the friction of the surface.

Z-Treat Extend PCP is a treatment for concrete after the concrete is placed. This product was designed to increase the hardness and abrasion resistance of limestone/dolomite within the concrete by a minimum of 30%. It will also add water repellency to help prevent liquids from penetrating and freezing inside the concrete matrix, reducing freeze-thaw damage. The increased abrasion resistance will also prolong the surface friction by slowing the wear and rounding of the surface, extending the microtexture and macrotexture life of the roadway surface.

ADVANTAGES

- One time treatment, no need to reapply
- Hardens, densifies increase abrasion resistance
- 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
- Helps prevent aggregate rounding from wear
- VOC compliant and may contribute to LEED points (IEQ credit)

USES

- Parking lots
- Concrete floors
- Roadways
- Airport runways/taxiways
- Treatment of limestone/dolomite aggregates used in PCP.

ESTIMATED COVERAGE

150-250 ft² per gallon (6.1-8.6 m² per liter)

*Coverage rate will vary depending on asphalt macro texture, porosity and environmental conditions.

PACKAGING

- 5 Gallon Buckets
- 55 Gallon Drums
- 275 Gallon IBC
- Bulk Tank

PHYSICAL PROPERTIES

COLOR: clear

ODOR: Slight to none

TOTAL SOLIDS: >8%

SPECIFIC GRAVITY: 1.02

pH: 11-12

VOC CONTENT: <5 g/L



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DIRECTIONS FOR USE

Application by spray rig/bar 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 surface to be treated. Surfaces can either be swept, sandblasted, or shot blasted, followed by manual or power broom sweeping and blown with compressed air so that the surface is dry and free of dust and dirt. 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 surface treatment.

INSTALLATION

Only apply product when temperatures will be above 35° 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.

For best practice: Use an application apparatus that consists of either bulk liquid tanks or IBCs, a positive displacement pump that has onboard monitoring and cloud reporting, and a spray bar. The positive displacement pump must be electrically operated, capable of placing 1000 gallons of liquid densifier per hour, automatically adjust the application rate of material to vehicle speed, and maintain application rates of Z-Treat Extend PCP within a 2% tolerance during installation. The monitoring component of the system must be able to display gallons placed, square feet per gallon target, square feet per gallon applied, travel rate, time, and date. The cloud data report will include GPS installation positions with station reporting, material applied at each station, application rate, and the date and time of each installation. Each report will indicate the name of the installer, contract ID#, and material installed.

The spray bar must be able to accommodate a 12 LF pass and provide even coverage across the lane during application. The spray tips must not atomize the material or present a traffic hazard in adjacent lanes.

Z-Treat Extend PCP shall be applied evenly over the surface and remain wet for approximately 20 minutes.

Prevent 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 only after the curing compound has been removed. The surface is ready for use once dry.

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

Always perform a small test application before full installation to ensure there are no variables or contaminants within the substrate that may be incompatible with this product.



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LIMITATIONS

Important note: ASPHALT SURFACES ONLY. Structural rehabilitation of pavements should be analyzed by a qualified engineer. Z-Treat Extend PCP will not hinder subsequent coatings such as HFST binders, traffic markings or delineators.

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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