



**EZ Hardscape Installation System** **TECHNICAL DATA SHEET**

**PRODUCT DESCRIPTION:**

EZ Set is a trass based, fiber reinforced binder used to create a highly permeable, freeze thaw resistant bedding layer for paving stones, brick, porcelain tile and natural stone. Available in ready-to-use and concentrated formulas.

FEATURES	BENEFITS
<b>Trass-Blend Fiber Reinforced</b>	<ul style="list-style-type: none"> <li>• Creates a Rigid Structural Setting Bed</li> </ul>
<b>Promotes Internal System Drainage</b>	<ul style="list-style-type: none"> <li>• Reduces Freeze/Thaw Damage</li> <li>• Helps Minimize Efflorescence</li> </ul>
<b>Easy To Install</b>	<ul style="list-style-type: none"> <li>• Mixes Onsite with 3/8" Angular, Clear Stone</li> <li>• Ready to Use Option Also Available</li> </ul>

**APPLICATIONS:**

Use as a drainable rigid setting bed in segmental pavement systems where enhanced structural support is desired. Suitable projects include walkways, patios, pool decks, courtyards, driveways, parking lots and streetscapes. Can be used with concrete, clay, porcelain and stone paving units.

**SUITABLE SYSTEMS:**

EZ Set mixed with the bedding layer (3/8" angular clear aggregate) can be used with segmental systems built on an open-graded base to enhance the structural support while maintaining drainage.

**COMPRESSIVE STRENGTH:**

**Mix Ratio 3:1:** 4000-4500 PSI

**Mix Ratio 4:1:** 3000-3500 PSI

Strength is dependent on type/quality of aggregate and mixing process. Comprehensive strength measured after 28 day full cure.

**APPROXIMATE YIELD PER 60 LB. BAG:**

EZ SET DEPTH	SQUARE FEET	
	3:1 MIX RATIO	4:1 MIX RATIO
2"	12	17
3"	8	11
4"	6	8
5"	5	6

Coverage is based on use of 3/8" open graded aggregate with a bulk density of 90#/cubic foot. Yield may vary based on aggregate and installation conditions.



## INSTALLATION REQUIREMENTS FOR OPTIMAL PERFORMANCE:

- Open graded (permeable) base should be properly prepared and strong enough to carry the design load (foot and vehicular traffic)
- Provide appropriate drainage outlets to meet drainage requirements per design and site conditions.

## INSTALLATION CONDITIONS:

- Optimal air temperature for installing EZ Set is above 35°F during installation and for 48 hours afterwards.
- Do not install on frozen ground or in rainy conditions . Turn off irrigation systems.

## 4:1 RATIO - MIXING INSTRUCTIONS (ratio based on volume):

Comprehensive Strength: 3000-3500 PSI

### Add the following in order into a running mixer:

- 4 - five gallon pails filled to the top with 3/8" angular clear aggregate
- 1 bag of EZ Set
- Approximately 2 gallons of clean water
- Mix for approximately 3 minutes.
- If necessary, add up to 1 gallon of additional water until the mixture is slightly shiny. It's ready for use when mixture can be rolled into a firm ball. The amount of water needed varies based on moisture in the aggregate.

## 3:1 RATIO - MIXING INSTRUCTIONS (ratio based on volume):

Comprehensive Strength: 4000-4500 PSI

### Add the following in order into a running mixer:

- 3 - five gallon pails filled to the top with 3/8" angular clear aggregate
- 1 bag of EZ Set
- Approximately 2 gallons of clean water (dependent on moisture content of aggregate)
- Mix for approximately 3 minutes.
- If necessary, add up to 1 gallon of additional water until the mixture is slightly shiny. It's ready for use when mixture can be rolled into a firm ball. The amount of water needed varies based on moisture in the aggregate.



## INSTALLATION INSTRUCTIONS:

- Distribute the EZ Set mixture on top of the base layer to an ideal thickness ranging from 2" - 5" based on design load. (2" - 3" for surfaces with foot traffic, 3" - 5" for surfaces with vehicular traffic)
- Screed EZ Set mixture to desired thickness resulting in a flat, level surface. Use a steel trowel to lightly smooth if necessary.
- Before EZ Set dries, clean tools with water and brush. Remove any excess EZ Set from adjacent surfaces with damp rag or wet brush while it is still wet.
- For increased performance, EZ Overlay (Dry Set for Concrete Overlays) can be installed on top of EZ Set before installing paving units as per EZ Overlay instructions.

## Paving Unit Installation:

- **Installation on Wet EZ Set Mixture:** Immediately after EZ Set has been installed, lay paving units per design. If necessary, tap units into place.
- **Installation on Dry EZ Set Mixture:** Allow EZ Set to dry for 24 hours. Install paving units per design.
- **For strength and stability, adhere paving units in place by using a mortar made from EZ Overlay.** Create a small batch of mortar by mixing 1 bag of EZ Overlay with 1 gallon of water. Mix to a consistency of a runny pancake batter. Let it sit for 5 minutes to allow batch ingredients to properly wet out. Then re-mix the batch to temper the mortar. If necessary, add additional water and mix to a creamy, workable consistency. Mortar should remain workable for approximately 20-30 minutes. Place mortar on the bottom of paving units or on top of EZ Set and evenly distribute with a ½" notched trowel. Lay paving units and tap into place. If mortar becomes too stiff, it can be re-tempered once within 30 minutes of the original batching by adding water and re-mixing.
- SEK Joint Sand, PolySweep or PS-1500 can be installed after 24 hours per manufacturer's directions.

## CURING:

- Surfaces with foot traffic can be open for use after 2 days
- Surfaces with vehicular traffic can be open for use after 14 days
- Full cure is 28 days

## CLEAN UP:

- Remove any wet EZ Set from surfaces with damp rag or wet brush before it dries
- Clean tools with brush and water



### **PACKAGING:**

60 lb bag, 56 bags per pallet

### **SHELF LIFE:**

12 Months

### **STORAGE:**

- Store indoors in a dry place.
- Keep bag sealed and in good condition.

### **DISPOSAL:**

Dispose of in accordance with all applicable laws and regulations.

### **PRECAUTIONARY INFORMATION:**

KEEP OUT OF REACH OF CHILDREN • Do not handle until all safety precautions have been read and understood • Wear impervious gloves, such as nitrile • Wear eye protection and protective clothing • Do not eat, drink or smoke when using this product • Wash thoroughly after handling • Use only in a well-ventilated area • Do not breathe dust

### **EMERGENCY & FIRST AID MEASURES:**

If swallowed: Rinse mouth. Do NOT induce vomiting. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If on skin (or hair): Remove immediately all contaminated clothing and wash before re-use. Rinse skin or hair with water. If significant skin irritation or rash occurs: Get medical advice or attention. Immediately seek medical advice or attention if symptoms are significant or persist.

### **ADDITIONAL PRECAUTIONARY INFORMATION:**

The Portland cement in this product can cause serious, potentially irreversible damage to skin, eye, respiratory and digestive tracts due to caustic burns. Burns from Portland cement may not cause immediate pain or discomfort. You cannot rely on pain to alert you to cement burns. Therefore precautions must be taken to prevent all contact with Portland cement. Cement burns can become worse even after contact has ended. If there is contact with this product, immediately remove all product from body and thoroughly rinse with water. If you experience or suspect a cement burn or inflammation you should immediately see a health care professional. Skin burns and irritation may be caused by even brief exposure. Interaction of Portland cement with water or sweat releases a caustic solution which produces the burns or irritation. Any extended exposure should be treated as though a burn has occurred until determined otherwise. **(CONTINUED)**



### **ADDITIONAL PRECAUTIONARY INFORMATION: (CONTINUED)**

Skin contact with Portland cement can also cause an inflammation of the skin called dermatitis. Signs and symptoms can include itching, redness, swelling, blisters, scaling, and other changes in the normal condition of the skin. Signs and symptoms of burns include the above and whitening, yellowing, blackening, peeling or cracking of skin. The Portland cement in this product may cause allergic contact dermatitis in sensitized individuals. This overreaction of the immune system can lead to severe inflammation. Sensitization may result from a single exposure to the low levels of Cr(VI) in Portland cement or repeated exposures over months or years. Sensitization is long lasting and, after sensitization, even very small quantities can trigger the dermatitis. Sensitization is uncommon. Individuals, who experience skin problems, including seemingly minor ones, are advised to seek medical attention. Respirable Crystalline Silica (RCS) may cause cancer. Sand and gravel contains varying quantities of quartz (Crystalline Silica). Sand and gravel may be subjected to various natural or mechanical forces that produce small particles (dust) which may contain Respirable Crystalline Silica (particles less than 10 micrometers in aerodynamic diameter). Repeated inhalation of Respirable Crystalline Silica (quartz) may cause lung cancer according to IARC and NTP; ACGIH states that it is a suspected cause of cancer.

**PLEASE CONSULT SAFETY DATA SHEET FOR MORE INFORMATION.**

### **WARRANTY:**

SEK-Surebond warrants its products to substantially conform to its published specifications at the time of purchase. The foregoing is the sole limited warranty applicable to the products. **SEK-SUREBOND HEREBY DISCLAIMS ALL OTHER WARRANTIES OF ANY KIND OR NATURE, WHETHER EXPRESS, IMPLIED, OR STATUTORY, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ANY OTHER WARRANTY OTHER THAN THE WARRANTY SET FORTH ABOVE.** The user is solely responsible for determining suitability of the products for their particular use. While the actual application of this product is out of the control of SEK-Surebond, it is recommended that the application guidelines be followed completely and accurately. SEK-Surebond's liability for any damage shall not exceed the purchase price of the product used, and it shall have no liability for consequential, incidental or punitive damages.