Polymer Modified • Sand • Portland Cement
Dry Set for Concrete Overlays

EZ Hardscape Installation System — TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

EZ Overlay is an excellent substitute for wet mortar bed overlay applications on existing concrete. EZ Overlay's polymer modified, sand, and Portland cement blend incorporates superior strength, dry set technology and is ready-to-use and easy to install. It will save time and effort as compared to traditional wet bed systems. EZ Overlay requires no mixing and installs dry, directly on top of existing concrete to bond paving units to the surface. It is ideal for use with pavers, stone or porcelain overlays.

FEATURES	BENEFITS
Polymer Modified & Fiber Reinforced	• Superior Bond Strength
Engineered Sand Blend	• Less Dust • Maintains Setting Bed Thickness
Easy To Install	• No Mixing • Distribute, Level & Activate • Installs on Top of Existing Concrete - In Good Condition
Mortar Bed Substitute	• Cuts Install Time In Half • Less Mess • Consistent Results

SUITABLE SURFACES:

Suitable for new or existing horizontal concrete surfaces in good condition. On existing concrete, repair any surface defects such as major cracks, voids and any transition issues before installing EZ Overlay. Not recommended for asphalt or vertical applications.

APPLICATIONS:

EZ Overlay is designed for residential & commercial concrete (in good condition) or EZ Set overlays of pavers, stone and porcelain. Suitable projects include walkways, patios, pool decks, courtyards, plazas and driveways with light duty/residential vehicular traffic. Not recommended for commercial vehicle usage.

APPROXIMATE YIELD PER 50 LB. BAG:

EZ OVERLAY DEPTH/THICKNESS	COVERAGE (SF)
1/4”	26
1/2”	13
3/4”	9
1”	7

Coverage is based on a concrete surface in good condition with limited loss of EZ Overlay into cracks, joints and other voids. Actual coverage may vary based on condition of surface.

INSTALLATION REQUIREMENTS FOR OPTIMAL PERFORMANCE

- Concrete should be clean and in good condition
- Bottom of paving units should be clean, free of dirt and dust, for optimal adhesion
- Installation depth of EZ Overlay can range from ¼" up to 2" to level uneven surfaces or low spots
- Maximum depth variance of EZ Overlay should not exceed ¾"

INSTALLATION CONDITIONS:

- Optimal air temperature for installing EZ Overlay is above 35° F during installation and for 48 hours afterwards.
- Do not install in rain and turn off irrigation systems.

SURFACE PREPARATION:

- Repair any surface defects such as major cracks, voids and transition issues.
- Project design (paving unit placement) should include planning and preparation of full-depth expansion joints. Paving units should not cover or be installed over full-depth expansion joints.
- When altering the size or shape of the original concrete surface, extend the concrete to support the change.
- For increased bonding strength of the border/edge paving units, cut shallow grooves into the concrete where the units will be placed.
- Sweep or blow off the surface. If necessary, perform spot and overall cleaning before beginning installation of EZ Overlay.

INSTALLATION INSTRUCTIONS:

Step 1: Clean bottom of paving units for optimal adhesion.

Step 2: Pre-wet existing concrete with water without pooling or ponding.

Step 3: Distribute EZ Overlay onto the surface and spread evenly using a gauge rake to the required depth for a level surface. EZ Overlay can be installed at a depth of ¼" up to 2" to level uneven surfaces or low spots. Maximum depth variance should not exceed ¾". Use a steel trowel to level tight areas.

Step 4: Lay paving units on top of the EZ Overlay without disturbing or walking on it. Follow ICPI (CMHA) guidelines for proper paver placement.

Step 5: Border and edge treatment for smaller paving units: 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 the paving units or on top of base (concrete or 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 additional water and re-mixing.

Step 6: Carefully remove any excess dry EZ Overlay off of the surface with a broom or leaf blower. Remove wet EZ Overlay with a water and brush or damp rag before it dries.

Step 7: After field and border paving units are laid, thoroughly wet the surface using a hose with spray nozzle on shower setting to activate EZ Overlay. The watering time will vary based on the size of paving unit, depth of EZ Overlay and project size. **Reference chart and calculation guidelines on next page for approximate watering times.**

Use the chart below to calculate total watering time for your project: Watering time will vary and is based on the size of the paving unit, depth of EZ Overlay and project size. To determine the watering time (in minutes) per 100 sf of your project, use the chart to find the length of the shortest side of your largest paving unit and then your average EZ Overlay depth. To calculate total watering time needed, divide your total square footage by 100 and multiply that number by the watering time in minutes listed (for your paving unit size and EZ Overlay depth).

Standard Watering Times (minutes) Per 100 SF							
Length of Shortest Side of the Largest Paving Unit	Average Depth of EZ Overlay						
	1/4"	**3/8"**	**1/2"**	**5/8"**	**3/4"**	**7/8"**	**1.0"**
3"	6	11	16	21	26	31	36
4"	7	12	17	22	27	32	37
5"	8	13	18	23	28	33	38
6"	9	14	19	24	29	34	39
7"	10	15	20	25	30	35	40
8"	11	16	21	26	31	36	41
9"	12	17	22	27	32	37	42
10"	13	18	23	28	33	38	43
11"	14	19	24	29	34	39	44
12"	15	20	25	30	35	40	45
13"	17	22	27	32	37	42	47
14"	18	23	28	33	38	43	48
15"	20	25	30	35	40	45	50
16"	21	26	31	36	41	46	51
17"	23	28	33	38	43	48	53
18"	24	29	34	39	44	49	54
19'	26	31	36	41	46	51	56
20"	27	32	37	42	47	52	57
21"	29	34	39	44	49	54	59
22"	30	35	40	45	50	55	60
23"	32	37	42	47	52	57	62
24"	33	38	43	48	53	58	63

For Example:

Length of Shortest Side of the Largest Paving Unit: 12” **Average Depth of EZ Overlay:** 1/4”

Time in Minutes (found in chart)**:** 15 minutes per 100 sf **Total Square Footage of Project:** 1200 (divide that by 100) = 12

Calculation: 15 minutes x (1200 total sf/100) = **180 Total Minutes of Watering Time** (15x12= 180)

Note: Initial watering should be done by hand with hose and spray nozzle. After thorough initial watering, sprinklers may be used ensuring all areas are consistently getting wet especially the edges.

Installations Instructions continued on next page.

INSTALLATION INSTRUCTIONS: CONTINUED

Step 8: Verify EZ Overlay activation by lightly tapping with a rubber mallet on several paving units throughout the project. EZ Overlay is not fully activated if it sounds hollow, and it will require additional water.

SEK Joint Sand, PolySweep Polymeric Sand or PS-1500 RJS Reactive Resin Joint Sand can be installed 24 hours after EZ Overlay activation per manufacturer's directions.

CLEAN UP:

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

CURING:

- Surfaces with foot traffic can be used after 24 hours
- Driveways can be used after 7 days
- Full cure is 28 days

COMPRESSIVE STRENGTH:

4000 PSI

PACKAGING:

50 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. 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.