ResinScape
RESIN BOUND SYSTEM

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Resin Bound Surfacing Solution — TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

ResinScape Resin Bound System featuring **ResinScape Advanced UVR Resin** is a premium resin bound surfacing solution proven in the UK and now available in the U.S. Designed for beauty, durability, and permeability, it combines **ResinScape Premium Aggregates** with its high-performance UV-stable resin to create a seamless, stone-rich, low-maintenance surface.

ResinScape Resin Bound System consists of a **Binder Kit** that contains the **Advanced UVR Resin** (parts A & B), **Binder Sand** and **Premium Aggregates**. This permeable system enables water to pass through the surface and reduces surface runoff. Ideal for both residential and light commercial applications, **ResinScape** delivers long-term color stability and superior resistance to discoloration, weathering, and wear.

FEATURES	BENEFITS
UV Stable Resin Technology	• Color stable • Resists yellowing
Low Maintenance, High Aesthetic Appeal	• Resists staining from fuel, oil and solvent spills • Reduces weed growth • Maintains a clean, natural appearance
Durable, Long-Lasting Surface	• High-strength with excellent durability • Resists degradation from fuel, oil and solvent spills
Optimized Resin Formulation	• Easy trowel application and workability • Can be installed in temperatures > 40° F
Permeable	• Water naturally drains through the system • Environmentally friendly
Versatile Design Capabilities	• Wide range of decorative aggregates available • Ability to incorporate design inlays • Suitable for external and internal use

SUITABLE APPLICATIONS: RESIDENTIAL & LIGHT COMMERCIAL

- Driveways
- Parking lots
- Patios
- Pool Decks
- Decorative Landscape Surfaces
- Courtyards
- Walkways

APPEARANCE:

The color and visual characteristics of the **ResinScape Resin Bound System** are achieved through the combination of natural aggregates and resin. **ResinScape Advanced UVR** is formulated to provide exceptional resistance to discoloration when exposed to UV light, making it well suited for use with light-colored aggregates and applications where long-term color stability is critical.

ResinScape Decorative Aggregates are available in seven colors which can be used alone or blended together for custom color combinations. Aggregate offerings are periodically updated; refer to www.sek.us.com/products/resinscape for available colors.

KIT COMPONENTS:

- **ResinScape Bucket Contents:**
  - **ResinScape Advanced UVR**: Two-part (Part A & B) solvent-free, UV stable polyurethane binder, 8.3 pds each
  - **F-12 Binder Sand -** 11 lb
- **ResinScape Decorative Aggregates:**
  - Clean, dried aggregate ranging 1/16” - 1/4” (2-6mm)
  - **Four (4)** 50 lb bags per kit (200 lb total)
  - Available as a single aggregate color or a custom color blend. Each bag contains one aggregate color.

ESTIMATED COVERAGE PER KIT:

USE	MINIMUM DEPTH	APPROXIMATE COVERAGE*
Pedestrian & Residential Vehicle	3/4” (19 mm)	32.3 sf (3.0m^2)
Light Commercial Vehicle Usage	1” (25 mm)	23.7 sf (2.2 m^2)

*Approximate coverage per kit: one resin kit and 4 bags (200 pounds) of specified aggregate. Based on normal stress mix. A greater thickness will enable better compaction, resulting in improved durability.

INSTALLATION REQUIREMENTS FOR OPTIMAL PERFORMANCE:

- **ResinScape** must be installed on a **sound, solid substrate** with either proper surface drainage or a permeable sub-base.
- Install border pavers or concrete curbs as an edge restraint on open edges of ResinScape
- New concrete should cure 7 days prior to installation, asphalt should cure 14 days
- Make any necessary repairs prior to cleaning and application of **ResinScape**
- Follow mixing and installation instructions carefully.
  Visit www.sek.us.com/products/resinscape for complete instructions.

Scan for complete installation instructions.

(continued)

INSTALLATION REQUIREMENTS FOR OPTIMAL PERFORMANCE: (continued)

- Always follow the specified ratios and mix times
- Do not alter the aggregate or resin blend
- Use aggregates from the same batch on a project
    - If multiple batches are used, keep them separated in different areas to avoid slight, natural color variations
- Use a **Baron F-120 forced action mixer** for best results
- **Keep resin cool in warm weather**. Never store in direct sunlight or in a hot vehicle
- **If Part B appears milky, do not use it**. This indicates moisture contamination.

NEW INSTALLATION BASE RECOMMENDATIONS

All recommendations are subject to local code and project specific engineering requirements.

SG = Solid Graded Base OG = Open Graded Base

	SUBSTRATE COURSE					
	CONCRETE/ASPHALT			EZ SET		
	Pedestrian	Vehicular	Light Commercial	Pedestrian	Vehicular	Light Commercial
ResinScape Course	3/4”	3/4”	1”	3/4”	3/4”	1”
Substrate Course (Concrete, EZ Set, Asphalt)	3.5”	6”	8”	2”	4”	6”
Stone Base	4” DG	6” DG	8” DG	4” OG	8” OG	12” OG
Sub-Grade	Native			Native		

INSTALLATION SPECIFICATIONS

- Installation Temperature: 40°- 85° f, no rain in forecast for 24 hours, Relative humidity < 85%
- Surface temperature: < 100° f
- Surface must be free from dust, dirt and grease
- Initial Set Up @ 68°F: ~3 hours - Protect from pedestrian use for 24 hours, vehicular and heavy use for 48 hours post installation.

MAINTENANCE

Routine maintenance consists of periodic sweeping with a stiff-bristle broom. Any spilled contaminants should be removed promptly. Cold-water pressure washing (2 weeks post-installation) may be used to remove embedded dirt; avoid close-range or high-pressure washing directly on the surface.

STORAGE:

Store unopened in original packaging in a cool, dry place. Protect from direct sunlight. Avoid prolonged storage above ~75°F or below freezing.

SHELF LIFE:

12 Months in original, unopened container

DISPOSAL:

Dispose of in accordance with all applicable laws and regulations.

HEALTH & SAFETY:

PART A:

GENERAL: Keep out of reach of children. Read label before use.

PREVENTION: Use in a well-ventilated area. Avoid prolonged or repeated contact with skin and eyes. Wear protective gloves, clothing, face and eye protection. Wash thoroughly after handling.

RESPONSE: IF ON SKIN: Rinse with water. If irritation develops, seek medical advice. **IF INHALED**: Move person to fresh air and keep comfortable for breathing. Seek medical attention if symptoms persist. **IF SWALLOWED**: Rinse mouth. Do not induce vomiting. Seek medical attention immediately. **IF IN EYES**: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing.

PART B:

WARNING: Harmful if inhaled • May cause an allergic skin reaction • May cause respiratory irritation

PREVENTION: Keep out of reach of children. Avoid breathing mist/vapors. Use only outdoors or in a well-ventilated area. Wear protective gloves, protective clothing, eye and face protection.

RESPONSE: IF ON SKIN: Wash skin with plenty of soap and water. Remove contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical attention. **IF INHALED:** Move person to fresh air and keep comfortable for breathing. Seek medical attention if symptoms persist. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing. **IF SWALLOWED:** Rinse mouth. Do not induce vomiting. Seek medical attention immediately.

BINDER SAND & RESINSCAPE AGGREGATES:

DANGER: May cause cancer • May cause damage to organs (lungs) through prolonged or repeated exposure • Causes skin irritation • Causes serious eye irritation

PREVENTION: Keep out of reach of children. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash any exposed body parts. Wear protective gloves/ protective clothing/eye protection/face protection.

RESPONSE: IF EXPOSED OR CONCERNED: Get medical advice/attention. **IF ON SKIN**: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. **IF IN EYES**: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do.

SUPPLEMENTAL INFORMATION: Respirable Crystalline Silica (RCS) may cause cancer. Sand and gravel contains varying quantities of quartz (Crystalline Silica). In its natural bulk state, sand and gravel is not a known health hazard. 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. Other forms of RCS (e.g. tridymite and cristobalite) may also be present or formed under certain industrial processes.

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.