

KEY RESIN COMPANY

# KEY LASTIC SWS

## DESCRIPTION

**KEY LASTIC SWS** is a fluid applied, seamless waterproofing system for concrete floors, decks, overhead walkways, and other exterior surfaces that must remain watertight to moisture intrusion to protect occupied areas beneath.

**KEY LASTIC SWS** exhibits excellent adhesion and abrasion, impact, and chemical resistance. Its elastomeric properties will allow for horizontal movement of up to 1/8" without fracturing.

The surface characteristics of **KEY LASTIC SWS** can be varied to accommodate the degree of skid resistance, the decorative appearance, and the chemical resistance.

## KEY ADVANTAGES

- Interior or exterior seal coats available for maximum protection and finish texture
- Low Maintenance
- Safe (non-skid)
- 100% Solids Provides Low Odor Application
- Chemical Resistant Finishes are Available

## KEY CONSIDERATIONS

- On or below grade installation must have an efficient vapor barrier under the slab.
- Special treatments are necessary where hydrostatic pressure or moisture vapor transmission may be present.
- Substrate temperature must be a minimum of 55°F (Low temperature cure system available on request).
- Substrate must be free of dirt, waxes, curing agents, and other foreign materials.
- All control joints and expansion joints in the substrate must be revealed with the appropriate divider strips in the topping.

## TYPICAL USES

**KEY LASTIC SWS** is a 1/8" system ideal for use in parking garages, loading docks & ramps, cage wash areas or other areas requiring waterproof floors.

## SELECTION GUIDE

Activity Centers	
Aircraft Hangars	
Airports	Baggage/Service
	Terminals
↑ Animal Areas	Housing
↑	Cage Washing
↔ Beverage	Processing
↔	Packaging/Warehousing
	Bottling
Cafeterias	
Chemical Processing	
Clean Rooms	
↔ Coolers	
Computer Assembly	
Commercial Kitchens	
↔ Containment Areas	
Convention Centers	
Correctional Facilities	
Corridors	
↑ Docks/Ramps	
Dairies	
↔ Distilleries	Packaging
↔	Bottling
Food	Processing
	Preparation Service
↑ Garages	
Hospitals	Corridors & Lobbies
	Patient Rooms
	Operating Rooms
	Services
Laboratories	
↔ Laundries	
↔ Locker Rooms	
Machine Shops	
Manufacturing	Light Duty
	Heavy Duty
Meat, Fish, Poultry Processing	
↔ Mechanical Equipment Rooms	
Munitions Facilities	
↑ Parking Garages	Interior Decks
↑	Exterior Decks
Pharmaceutical Plants	
Pulp and Paper Processing Facilities	
Schools	
Shopping Malls	
↔ Showers	
↔ Utilities	
Warehouses	
Waste Water Treatment Facilities	

↑-Excellent Choice ↔-Alternate Choice

# TECHNICAL DATA

## System Performance Properties

<b>Flammability</b> ASTM D-635	Self Extinguishing
<b>Fungus &amp; Bacteria Growth</b> MIL-F-52505 §4.4.2.11	Will not support growth of fungus or bacteria when subjected to mildew and bacteria tests.
<b>Hardness</b> ASTM D-2240	30-50 Shore D
<b>Bond Strength to Concrete</b> ACI COMM #403, Bulletin 59-43	300 psi (100% concrete failure)
<b>Resistance to Elevated Temperature</b> MIL-D-3134F §4.7.4	No slip or flow at required temperature of 158°F
<b>Coefficient of Friction</b> ASTM D-2047	0.60
<b>Water Absorption</b> ASTM D-570	Nil
<b>Thermal Shock Resistance</b> ASTM C-884	Passes
<b>Abrasion Resistance</b> ASTM D-4060	Will vary with finish
<b>Impact Resistance</b> MIL-D-3134F §4.7.3	Withstands 16 ft./lbs. without cracking, delamination, or chipping.
<b>Compressive Strength</b> ASTM C-579, 7 days	5,000 psi
<b>Tensile Strength</b> ASTM C-307	1,200 - 1,500 psi
<b>Thermal Coefficient of Expansion</b> ASTM C-531	12-15 x 10 <sup>-6</sup>

## APPLICATION

Concrete surfaces must be in sound condition and properly prepared prior to any **KEY RESIN COMPANY** flooring system installation. Refer to **Key Resin Company Technical Bulletin #1** for specific preparation guidelines.

Installation of **KEY LASTIC SWS** involves several steps including priming, applying successive base coats, broadcasting various abrasive resistant aggregates, grouting, and sealing. For specific installation guidelines consult **Key Resin Company's Installation Instruction Manual**.

## MAINTENANCE

After completing the application of **KEY LASTIC SWS**, the installer should provide the owner with maintenance instructions. If floors become slippery due to animal fats, oil, grease, or soap film, clean and rinse thoroughly.

**KEY LASTIC SWS** is easily cleaned with neutral soaps or detergents. Routine mechanical scrubbing is recommended for all surfaces having a non-skid texture. Waxing is optional. Long periods of heavy traffic may cause wear patterns necessitating a maintenance application of a finish coat.

**WARRANTY** Key Resin Company ("Key") warrants for a period of one (1) year that its products will be free of manufacturing defects and will be in conformity with published specifications when handled, stored, mixed and applied in accordance with recommendations of Key. If any product fails to meet this warranty, the liability of Key will be limited to replacement of any non-conforming material if notice of such non-conformity is given to Key within (1) one year of delivery of materials. Key may in its discretion refund the price received by Key in lieu of replacing the material. No customer, distributor, or representative of Key is authorized to change or modify the published specifications of this warranty in any way. No one is authorized to make oral warranties on behalf of Key. In order to obtain replacement or refund the customer must provide written notice containing full details of the non-conformity. Key reserves the right to inspect the non-conforming material prior to replacement. EXCEPT FOR THE EXPRESSED WARRANTY STATED ABOVE, THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. KEY'S OBLIGATION SHALL NOT EXTEND BEYOND THE OBLIGATIONS EXPRESSLY UNDERTAKEN ABOVE AND KEY SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO THE PURCHASER OR ANY THIRD PARTY FOR ANY LOSS, COST, EXPENSE, DAMAGE OR LIABILITY, WHETHER DIRECT OR INDIRECT, OR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

## Membrane Performance Properties

<b>Ultimate Tensile Strength</b> ASTM D-638	1,000-1,200 psi
<b>Tensile Elongation</b> ASTM D-638	350-400%
<b>Hardness</b> ASTM D-2240	80 Shore A

## COMPOSITION

100% solids urethane elastomer base coats with pigmented urethane or epoxy finish coats to provide specific performance characteristics.

## COLOR & AVAILABILITY

**KEY LASTIC SWS** is available in grey. Custom colors are available subject to laboratory approvals, minimum quantities, lead time for production and increased cost. Colors will not fade or wear thin.

**Key Flooring Systems** are available throughout the United States, Canada, and a number of other countries. Contact the **KEY REPRESENTATIVE** in your area for details.

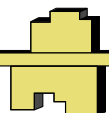
## TECHNICAL SERVICE

**Key Resin Company and KRC Associates, Inc.** provide services and consultations on material selection, specification, troubleshooting, and other information on the proper repair and protection of concrete surfaces. **KEY REPRESENTATIVES** are available to assist you at any time. CALL (888)943-4532.



KEY RESIN COMPANY

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