



Insl-x Industrial Coatings - 101 Paragon Drive - Montvale, New Jersey 07645 - 800-225-5554 - FAX 888-248-2143

INSL-TILE® 100% SOLIDS EPOXY CONCRETE FLOOR COATING EP59XX Series / EP59BG Activator

Type	Sheen	Theoretical Spread Rate	Recommended Application	Thinner	Clean Up
Two Component Epoxy	High Gloss	106 to 160 Sq. Ft. Per Gallon*	Squeegee or Roller. Remove trapped air using a porcupine roller	N/A – Do Not Thin	Xylene
Tack Free: 6 Hours		Recoat: Between 12 and 72 Hours		Full Cure: 7 Days	

PRODUCT NAME: EP59XX Series EP59BG Activator INSL-TILE® 100% Solids Epoxy Concrete Floor Coating	This product is a two component, 100% Solids Epoxy Coating for heavy film build applications. It is designed for one coat application on interior concrete floors subjected to industrial chemicals and high abrasion. 100% Solids Epoxy will fill many hairline cracks and superficial concrete defects, producing a smooth and aesthetically pleasing high gloss finish. This product is for industrial/commercial use only and should be applied by professional contractors, knowledgeable in these types of coating systems.	
WHERE TO USE:	Interior Concrete	Designed for use on bare or previously coated concrete – interior floor applications only.
SURFACE PREPARATION:	Surface to be coated must be clean, sound and dry. Freshly poured concrete must age at least thirty days before coating. All oil, grease, release agents, curing compounds, concrete hardeners, laitance and other contaminants must be removed before coating. Previous paint finishes that have deteriorated need to be removed to bare concrete; previous paint finishes that are in sound condition need to be cleaned and screened to a uniform dull condition. To remove dirt, oil, grease and form release agents, scrub the surface with an Industrial degreaser and emulsifier. Rinse thoroughly with clean water, per label directions. Curing compounds, concrete hardeners and previous paint finishes can be removed by chemical or mechanical methods. Pick up residue and dispose of per local, state and federal requirements. Using mechanical method, abrade or shot blast the surface until curing compound, hardener or paint is completely removed. Vacuum dust before proceeding. For laitance removal and to assure a PH level of between seven and nine, acid etch using manufacturers' recommendations. When properly prepared, the bare concrete surface should resemble the texture of medium grade sandpaper (80 grit). Whenever acid etching and/or shot blasting methods of surface preparation are utilized, it is important to leave the concrete with a uniform profile texture. Over profiling the concrete surface could damage the concrete integrity and will result in reduced coverage of the coatings. After the concrete floor has been prepared and allowed to dry (measuring 5% or less with moisture meter), apply One Coat of 100% Solids Epoxy Pre-Primer EP5500 at 600-800 sq. ft. per gallon (1.5 mils) following label instructions. Do not allow to puddle. Allow at least twelve hours, but not more than 72 hours dry time before applying the 100% Solids Epoxy Floor Coating. If a previous paint finish, in good condition is already in place, clean and screen the finish and proceed to the 100% Solids Epoxy Finish.	
IMPORTANT:	It is extremely important to remember that 100% Solids Sealer and Finish Coat have a limited pot life; therefore, it is wise to make sure sufficient manpower and correct application tools are in order prior to starting the mixing sequence. Do Not Store In Direct Sunlight! If area to be coated should be exposed to frequently wet conditions, broadcast aggregate is recommended This product is formulated without mercury or lead.	
MIXING INSTRUCTIONS:	This is a two component kit and is pre-proportioned for error free mixing. (See next page for mix ratios.) DO NOT vary from these instructions. Mix each individual component thoroughly prior to inter-mixing the two. Do not hand mix or place in paint shaker <ol style="list-style-type: none"> 1) Carefully empty the entire contents of EP59BGB activator into the can of EP5900-Part A component resin; scrape the sides of the pail of Part B to make sure all liquid has been added. Part A container is oversized to completely accept entire contents of Part B material. 2) Using a jiffy mixer at low speed, blend this mixture for three to five minutes until completely blended. Keep the mixing blade turning at a slow speed to minimize whipping air into material. Scrape sides of pail during the mixing process. 3) Care must be taken to assure both components are completely mixed in order to avoid partially cured spots in the coating. 4) This product does not need induction time and should be used immediately after mixing. 5) Do not thin this product – it is ready to use once both components are thoroughly mixed. 	

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APPLICATION:	<p>Component A mixed with Component B – pour the entire mixed contents of a kit in a bead of material in the form of a continuous ribbon onto the surface to be coated. The mixed material should not be left in the container because it will drastically shorten the pot life. 100% Solids Epoxy Finish can be applied by smooth/notched blade squeegee (which is preferable) or rolled. The use of a porcupine roller is recommended approximately 10 minutes after application to help in the removal of any air in the coating.</p> <p>SQUEEGEE APPLICATION: When using a smooth/notched blade squeegee spread the ribbon of poured material by pulling the squeegee toward the applicator and spread material at a rate not to exceed 120 square feet per gallon. Apply as evenly as possible working from left to right then back again. After ten minutes, roll with a porcupine roller to remove excess air bubbles. Do not mix less than full batch/container quantities.</p> <p>ROLLER APPLICATION: Using a quality phenolic core cover, between 3/8" and 1/2" nap size, gently spread the ribbon of poured material by lightly working the material back and forth until even. Avoid overworking material; allow product to flow out and self level. Spread at a rate not to exceed 120 square feet per gallon. Avoid working back into the previously applied epoxy, particularly after ten minutes duration or color variations can occur in the lapped area. Do not mix less than full batch/container quantities. The floor area should be maintained at a minimum surface and ambient air temperature of 50°F and a maximum of 90°F throughout the entire recommended dry time. Do not apply if surface temperature is within 5°F of dewpoint or if condensation or fog is expected before the product is fully dry.</p> <p>Not intended for use on vertical surfaces</p>
*NOTE ON SPREAD RATE:	Actual spread rate will vary based upon numerous factors, including texture of the substrate, application method, waste, surface porosity and thinning. The Theoretical Spread Rate listed on this document has not taken into account these factors and is only based upon the volume solids of this product and the recommended wet film thickness when applied to a smooth substrate.
TINTABILITY:	Do not tint this product – it is available in clear, gloss white and three ready-mixed colors.
RESIN TYPE:	Cycloaliphatic Amine Epoxy
SOLIDS:	Component A: Weight – 96.6% Volume – 96 ± 1.0% Component B: Weight – 99.8% Volume – 99.7%
WEIGHT PER GALLON:	Part A Component: 11.02 lbs. Part B Component: 8.50 lbs.
VISCOSITY:	90 – 95 KU (Krebs Units) Mixed
MIX RATIO:	Colors 2.0 to 1 (Packaged in 2 Gallon Kits), Clear 1.66 to 1
INDUCTION TIME:	N/A – Use immediately after mixing
POT LIFE:	30 Minutes @ 75°F 20 Minutes @ 85°F
FLASH POINT:	200° or greater (TT-P-141, Method 4293)
SPECULAR GLOSS:	80+ units @ 60°
WET FILM THICKNESS:	10 to 15 mils
DRY FILM THICKNESS:	10 to 15 mils
CURE TIME: (AT 75°F)	Foot Traffic/18 Hours Moderate to Heavy Industrial Use/48 Hours Light Industrial Use/24 Hours Full Cure/Approximately 7 Days
VOC/VOS STATEMENT (Mixed):	After proper mixing of Component A with Component B the VOC content of this product contains is 3 grams VOC/VOS per liter of coating. (<0.03lbs. /gal.)
OTC CATEGORY:	This product is compliant under the Ozone Transport Commission regulations.
CAUTIONS: (Mixed)	<p style="text-align: center;">WARNING!</p> <p>HARMFUL IF SWALLOWED. Causes eye, nose, throat and skin irritation. May cause allergic skin reaction. Use only with adequate ventilation. Avoid breathing dust, vapors or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow manufacturer's directions for respirator use. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.</p> <p>OVEREXPOSURE MAY CAUSE LUNG and KIDNEY DAMAGE. Contains Crystalline Silica, which can cause cancer. Risk of cancer depends on duration and level of exposure.</p> <p>First Aid: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean contaminated shoes. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately. If swallowed, do not induce vomiting. Get medical attention immediately.</p> <p>If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.</p> <p>WARNING: This product contains chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.</p> <p>Warning! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead</p> <p style="text-align: center;">Obtain and read the MSDS prior to using this product. KEEP OUT OF REACH OF CHILDREN</p>

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TEST DATA

Adhesion (ASTM D3359)	5B
Steam Resistant	Yes
Dry Heat Resistance	300°F
Wet Heat Resistance	150°F

CHEMICAL RESISTANCE GUIDE (NON-IMMERSION)

Fresh Water	Excellent
Salt Water	Excellent
Waste Water	N/A
Acids	Good
Alkalis	Good
Solvents	Excellent
Fuel	Good
Acidic Salt Solutions	Excellent
Alkaline Salt Solutions	Excellent
Neutral Salt Solutions	Excellent

QUALIFICATIONS

Meets USDA qualifications for incidental food contact.
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SYSTEMS RECOMMENDATIONS
COMPATIBLE PRIMERS & INTERMEDIATES

EP5500 Pre Prime , ATA Series, EP 5300, EP5800, EP5065, ATP Series
For primers / intermediates other than listed above, or for usage in severe environmental conditions, please consult with Insl-x Products technical service.
All high gloss surfaces can be slippery. Where non skid properties are required a non-skid aluminum oxide additive should be used. Silica sand can be used for foot traffic, but will "crush" under heavier loads. All epoxy coatings will chalk and fade if applied on exterior surfaces subjected to direct sunlight. Under certain environmental conditions, epoxy coatings will yellow. Where color and gloss retention are important, top-coating will be necessary. May stain with prolonged exposure to brake fluid and some other solvents or in a kennel if exposed to animal waste. This staining will not affect the durability or protective qualities of the coating. Will not cure at surface temperatures below 50°F. Not recommended for use in immersion service. Apply when surface and substrate temperatures are between 50°F and 90°F. Do not apply if surface temperature is within 5°F of dewpoint or if condensation or fog is expected before the product is fully dry

WARRANTY

Insl-x warrants its products to be free from defects in materials and workmanship. Insl-x's sole obligation and the purchaser's exclusive remedy shall be limited, at Insl-x's option, to either replacement of nonconforming products or credit to the purchaser's account in an amount not greater than the original purchase price of the nonconforming products. Any claim under this warranty must be made by the purchaser, in writing to Insl-x, within ten (10) days of the purchaser's discovery of the claimed defect, but not later than the expiration of the applicable shelf life, or one year from the original delivery date, whichever is earlier. Purchaser's failure to notify Insl-x of any nonconformance as required shall bar the purchaser from recovery under this warranty.

Insl-x makes no other warranties, expressed or implied, such as merchantability or fitness for a particular purpose concerning its products. In no event shall Insl-x be liable for consequential or incidental damages.

Any recommendation or suggestion relating to the usage of products made by Insl-x, whether in the form of literature, data, or in response to specific inquiry, or otherwise is based upon information believed to be reliable; however the products and information are intended for use by skilled and knowledgeable purchasers, and is therefore for the purchaser to satisfy itself of the suitability of the products for its own specific use, and it shall be deemed that the purchaser has done so, at the sole discretion and risk. Variation in application conditions, ambient conditions or extrapolation of information may cause unsatisfactory results.

LIMITATION OF LIABILITY

Insl-x's liability on any claim, including claims based upon negligence, or strict liability for loss, or damage arising out of, connected with, or resulting from the use of products, shall in no case exceed the purchase price of the products directly giving rise to the claim. In no event shall The Insl-x be liable for consequential or incidental damages.

THINNING RECOMMENDATIONS:

Do Not Thin This Product!

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INSL-TILE® EP5900 Series
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