

Product Data Sheet

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Identification no. 601

Sikagard 62

Sikagard® 62

High-build, protective, solvent-free,
colored epoxy coating

Description	Sikagard 62 is a 2-component, 100% solids, moisture-tolerant epoxy resin. It produces a high-build, protective, dampproofing and waterproofing vapor-barrier system.
Where to Use	Use as a high build, corrosion-resistant, protective coating, as a protective lining for secondary containment structures or as a seamless flooring system.
Advantages	<ul style="list-style-type: none"> ■ Exceptional tensile strength. ■ Good chemical resistance for long-term protection. ■ Convenient A:B = 1:1 mixing ratio. ■ Easy, paint-like viscosity. ■ Available in 3 standard colors: gray, red, and tan. ■ Excellent bonding to all common structural substrates. ■ Super abrasion resistance for long-term wear. ■ Sikagard 62 gray, after cure, is approved for contact with potable water. ■ Material is USDA certifiable.
Coverage	Approximately 150-250 sq. ft./gal. depending on condition of substrate.
Packaging	4 gal. units; 1 qt. units, 12/case.
How to Use	
Surface Preparation	<p>Surface must be clean and sound. It may be dry or damp, but free of standing water. Remove dust, laitance, grease, curing compounds, impregnations, waxes and any other contaminants.</p> <p>Preparation Work: Concrete - Should be cleaned and prepared to achieve a laitance and contaminant free, open textured surface by blastcleaning or equivalent mechanical means.</p> <p>Steel - Should be cleaned and prepared thoroughly by blastcleaning.</p>
Mixing	Pre-mix each component. Proportion equal parts by volume of Components 'A' and 'B' into a clean mixing container. Mix with a low-speed (400-600 rpm) drill using a Sika paddle for 3 minutes, until uniform in color.
Application	Apply coating using high-quality roller, brush or spray. Two coats are recommended. Apply second coat as soon as the first coat is tack-free and the traffic of application will not damage the first coat. The

Typical Data (Material and curing conditions @ 73°F (23°C) and 50% R.H.)

Shelf Life	2 years in original, unopened containers.	
Storage Conditions	Store dry at 40°-95°F (4°-35°C). Condition material to 65°-75°F (18°-24°C) before using.	
Color	Gray, red, tan.	
Mixing Ratio	Component 'A' : Component 'B'=1:1 by volume.	
Viscosity (Mixed)	Approximately 3,500 cps.	
Pot Life	Approximately 35 to 40 minutes. (60 gram mass).	
Tack-Free Time	Approximately 4 hours.	
Open Time	Light foot traffic: 5-7 hours. Rubber-wheel traffic: 8-10 hours.	
Immersion and Chemical Exposure	Minimum cure: 3 days	
Tensile Properties (ASTM D-638)		
14 day	Tensile Strength	5,400 psi (37.3 MPa)
	Elongation at Break	2.7 %
Abrasion (ASTM D-1044) (Taber Abrader)		
7 day	Weight loss, 1,000 cycles (H-22 wheel, 1,000 gm weight)	0.61 gm
Abrasion Resistance (ASTM D-968)		
14 day	Abrasion Coefficient	51 liters/mil.
Adhesion (ASTM D-3359)		
1 day	Adhesion Classification	4A
Water Absorption (ASTM D-570)		
7 day	(24 hour immersion)	0.1%

Construction


Sika®

second coat, however, **must** be applied within 48 hours since a longer delay will require additional surface preparation.

Do not spray with slip resistant granules mixed into the coating. For use as a seamless flooring system, consult Technical Service.

Limitations	<ul style="list-style-type: none"> ■ Minimum substrate and ambient temperature for application 50°F (10°C). ■ Do not apply over wet, glistening surface. ■ Material is a vapor barrier after cure. ■ Do not apply to porous surfaces exhibiting moisture-vapor transmission during the application. Consult Technical Service. ■ Minimum age of concrete prior to application is 21-28 days, depending on curing and drying conditions. ■ Do not apply to exterior, on-grade substrates. ■ Use oven-dried aggregate only. ■ Do not thin with solvents. ■ Not an aesthetic product. Color may alter due to variations in lighting and/or UV exposure. ■ On 'green or 'damp' concrete, EpoCem can be used as a pore filler to reduce vapor drive and potential osmotic blistering.
Caution	<p>Component 'A' - Irritant; Sensitizer - Contains epoxy resin. Can cause sensitization after prolonged or repeated contact. Skin and eye irritant. Vapors may cause respiratory irritation. Use only with adequate ventilation. Use of safety goggles and chemical resistant gloves is recommended. In case of high vapor concentrations, use an appropriate NIOSH approved respirator. Remove contaminated clothing.</p> <p>Component 'B' - Sensitizer - Contains amines. Contact with eyes or skin may cause severe burns. Can cause sensitization after prolonged or repeated contact. Skin and eye irritant. Vapors may cause respiratory irritation. Use only with adequate ventilation. Use of safety goggles and chemical resistant gloves is recommended. In case of high vapor concentrations, use an appropriate NIOSH approved respirator. Remove contaminated clothing.</p>
First Aid	<p>Eyes: Hold eyelids apart and flush thoroughly with water for 15 minutes. Skin: Remove contaminated clothing. Wash skin thoroughly for 15 minutes with soap and water. Inhalation: Remove person to fresh air. Ingestion: Do not induce vomiting. In all cases, contact a physician immediately if symptoms persist.</p>
Clean Up	Ventilate area. Confine spill. Collect with absorbent material. Dispose of in accordance with current, applicable local, state and federal regulations. Uncured material can be removed with approved solvent. Cured material can only be removed mechanically.

Chemical Resistance

Specimen: Two Coats - 10 mils Total
Cured 10 days
Substrate: asbestos cement

Chemical	Test Temp.	Storage Time and Evaluation				
		1 Day	1 Month	2 Months	6 Months	12 Months
Water	75°F (24°C)	A	A	A	A	A
	100°F (38°C)	A	A	A	A	A
	140°F (60°C)	A	A	A	A, D	A, D
Sodium Chloride Solution (Saturated)	75°F (24°F)	A	A	A	A	A
	100°F (38°C)	A	A	A	A	A
Sodium Hydroxide 30%	75°F (24°C)	A	A	A	A	A
Cement Water (Saturated)	75°F (24°C)	A	A	A	A	A
Detergent Solution (5% Ajax)	75°F (24°C)	A	A	A	A	A
	140°F (60°C)	A	A	A	A, D	A, D
Hydrochloric Acid 10%	75°F (24°C)	A	A	A	A	A
Sulfuric Acid 10%	75°F (24°C)	A	A	A	B	B
Oxalic Acid 10%	75°F (24°C)	A	A, D	A, D	A, D	A, D
Citric Acid 10%	75°F (24°C)	A	A, D	A, D	A, D	A, D
Fuel Oil (Home Heating)	75°F (24°C)	A	A	A	A	A, D
Gasoline (Unleaded)	75°F (24°C)	A	A	A	A	A, D
Iso-Octane	75°F (24°C)	A	A	A	A	A, D
Toluol	75°F (24°C)	A	A	A	A	A, D
Silage	75°F (24°C)	A	A	A, D	A, D	B, D
Synthetic Silage	75°F (24°C)	A	A	B, D	B, D	B, D
Ethyl Alcohol	75°F (24°C)	A	C	-	-	-

A: Resistant in permanent contact
B: Temporary resistance
C: Destroyed
D: Discolored

KEEP CONTAINER TIGHTLY CLOSED • KEEP OUT OF REACH OF CHILDREN • NOT FOR INTERNAL CONSUMPTION • FOR INDUSTRIAL USE ONLY

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