

Sikafloor® WB-20

WB-20 Aqua-Crete, Clear/opaque single component water-based urethane resin

Description	A unique, aqueous, urethane fortified thermoplastic resin dispersion specifically developed for the protection of interior and exterior non-resilient surfaces.
Where to Use	For industrial use where durability and light chemical resistance are required and for exterior application where non-yellowing and water resistance properties are essential. For use on interior and exterior concrete, brick, exposed aggregate and masonry walls and floors.
Advantages	<ul style="list-style-type: none"> ■ Safe and economical application ■ Quick drying for fast recoating ■ Clear, colorless film ■ Cures quickly for minimum downtime ■ Resistant to most industrial cleaners and degreasers ■ Has excellent abrasion and non-marking properties ■ Resists yellowing by sunlight ■ Eliminates surface dusting ■ Resistant to damage by standing water ■ Exceeds UL requirements for anti-slip coatings
How to Use	
Surface Preparation	<p>Interior Floors: Remove all grease, oil, and other foreign material by scrubbing with a heavy-duty concrete cleaner. On permanent type coatings, it is recommended that the surface be abraded with a 80-100-mesh screen back disc. Extremely dense concrete may require etching prior to application.</p> <p>Exterior Surfaces: Hose down surface with water then clean with high pressure equipment and cleaner. Rinse thoroughly and allow to dry.</p>
Chemical Resistance Coverage	Before applying for protection against specific chemical environments, consult Sikafloor WB-20 Chemical Resistance Guide or contact Sika Technical Services at 800-933-SIKA (7452).
Coverage	<p>Horizontal Surfaces: Rough or course: 500-600 sq. ft. per gallon (46.45 m² - 55.7 m²/L) Medium porosity: 600-800 sq. ft. per gallon (55.7 m² - 74.3 m²/L) Smooth or previously coated: 800-1,000 sq. ft. (74.3 m² - 92.9 m²/L) per gallon</p> <p>Vertical Surfaces: 1,000-1,500 sq. ft. (92.9 m² - 139.3 m²/L) per gallon</p>

Typical Data

Color	White/opaque
Percent Solids by Weight	17.8 ± .3%
Weight per Gallon	8.49 ± .1 lbs/gal
pH	7.0 - 8.0
Viscosity	A4 to A5
Odor	Mild
Flash Point	None
Leveling	Excellent
Application Temperature	50°-80°F (10° - 26.6°C)
Dry Time	
Recoat	20 to 40 minutes
Light Traffic	6-8 hours
Gloss	Good to very good, depending on substrate porosity and number of coats
Removability	Non Flammable Paint/Varnish Remover
Slip Resistance	Excellent
Freeze/Thaw	Protect from freezing
Stability	Excellent
Shelf Life	Two years in unopened container. Store dry between 40° - 90°F (5° - 32°C).

Packaging: Available in 1, 5 and 55 gallon containers. (3.78, 18.9, 56.7 liters).

Industrial Flooring

Cure Mechanism	<p>Interior Floor: Allow 30 minutes to one-hour dry time, depending on conditions, before applying a second coat. A third coat is recommended to ensure protection and higher gloss. The final coat should dry for 6-8 hours before subjecting to heavy traffic.</p> <p>Exterior Surfaces: Allow 30 minutes or more to dry, depending on conditions, before applying second coat. A minimum of two coats is recommended for optimum protection and weathering resistance. Reduce amount of product sprayed on vertical surfaces after first coat to minimize runoff.</p>
Mixing	Single component, no mixing required.
Application	<p>Interior Floors: Put down a test patch if there is any question of adhesion. Do not apply to new concrete less than 30 days old. For best results, apply with a lambs wool applicator or a low-pressure sprayer (recommended 40 psi) such as a Hudson, airless or power sprayer.</p> <p>Exterior Surfaces: Do not apply to new concrete less than 30 days old. Apply in shade or at a time of day to avoid high surface temperatures or direct sunlight (recommended application temperature range is 50° - 80°F, 10° - 26.6°C). Apply with sprayer (40 psi). Use a heavy, wet application to insure adequate sealing. In vertical surfaces, work from the bottom up.</p> <p>NOTE: If there is any evidence of streaking or poor leveling, immediately moisten surface by damp mopping or mist spraying.</p> <p>CAUTION: Apply in shade or at time of day to avoid high surface temperatures or direct sunlight. (Recommended application temperature range is 50° - 80°F, 10° - 26.6°C). Avoid exposure to standing water for 24 hours.</p>
Removal	Non Flammable Paint/Varnish Remover.
Limitations	<ul style="list-style-type: none">■ Apply in shade or at time of day to avoid high surface temperatures or direct sunlight. (Recommended application temperature range is 50° - 80°F, 10° - 26.6°C).■ Do not apply to new concrete less than 30 days old.■ Do not pour unused material back into original container. Product will be damaged if this occurs.■ Avoid exposure to standing water for 24 hours.■ Avoid over application as cured finish may have a “milky” appearance.■ FOOD AREAS: remove any exposed food or food products from area where Sikafloor WB-20 is being applied and while product is drying.
Caution	<p>WARNING: IRRITANT. Contains Diethylene Glycol Ether (CAS: 112-34-5) and Dibutyl Phthalate (CAS: 84-74-2). Causes gastrointestinal tract irritation. Harmful if inhaled. May cause eye/skin/respiratory irritation. Reports have associated repeated and prolonged exposure to some of the chemicals in this product with permanent brain, liver, kidney and nervous system damage. Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal.</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 to fresh air. Ingestion – Do not induce vomiting. Dilute with water. Contact physician. In all cases contact a physician immediately if symptoms persist.</p>
Handling and Storage	Avoid direct contact. Wear personal protective equipment (chemical resistant goggles/gloves/clothing) to prevent direct contact with skin and eyes. Use only in well ventilated areas. Open doors and windows during use. Use a properly fitted NIOSH respirator if ventilation is poor. Wash thoroughly with soap and water after use. Remove contaminated clothing and launder before reuse. Clean Up Avoid direct contact with eyes and skin. Wearing chemical resistant goggles/gloves/clothing, collect spill. Ventilate area. In absence of adequate ventilation, use properly fitted NIOSH respirator. Sweep up spill and place in closed container. Dispose of in accordance with applicable local, state and federal environmental regulations.
Clean Up	Use personal protective equipment (chemical resistant gloves/ goggles/clothing). Without direct contact, sweep up spilled or excess product and place in suitable sealed container. Dispose of excess product and container in accordance with applicable local, state, and federal regulations.
Additional Info	Technical Data Sheets are updated periodically. To ensure the most current version is being used, visit Technical Resources on www.sikafloorusa.com . Proper material application is the responsibility of the user. Site visits made by Sika personnel are for making technical recommendations only and not for supervising or providing quality control. Before applying for protection against specific chemical environments, consult Chemical Resistance Guide or Sika Technical Service.



Industrial Flooring

The Sika logo consists of the word "Sika" in a bold, yellow, sans-serif font, set against a red triangular background that points downwards.

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