



PRODUCT DATA SHEET

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CHEMICAL COMPOUND MEMBRANE CONCRETE CURING

Sika® Florseal WB-18 & -25

WATER-BASED ACRYLIC CONCRETE CURE AND SEAL

Description	Sika® Florseal WB-18 & -25 are a ready-to-use; water-based, clear, high gloss, non-yellowing, acrylic emulsion cure and seal. They are applied to new concrete substrates after the final finishing operations are completed to form a film that retains mix water allowing normal hydration. This film remains as a protective surface sealing treatment that greatly reduces dusting and increases stain resistance of the cured concrete. Product is available in two solids contents: Sika® Florseal WB-18 is an economical cure and seal that meets the moisture retention requirements of ASTM C309 Type 1, Class A. Sika® Florseal WB-25 is a premium grade, high build, cure and seal that meets the moisture retention requirements of ASTM C309 Type 1, Clear and the alkali resistance, acid resistance, adhesion-promoting qualities and UV light degradation properties of ASTM C1315 Type 1, Class A.
Where to Use	<ul style="list-style-type: none"> For application on vertical, horizontal, smooth or textured, concrete substrates. Suitable for curing and sealing plain concrete and concrete surfaces treated with non-metallic, dry shake floor hardeners and topping courses. Suitable for interior or exterior concrete floors, pavements, sidewalks and structures. UV stable. Applications to existing concrete surfaces as economical, water clear, protective sealing treatments. Applications where solvent-based products cannot be used because of health and safety reasons.
Advantages	<ul style="list-style-type: none"> Excellent moisture retention produces a durable concrete surface through optimum curing. Reduces dust on new and existing concrete substrates by forming a film that seals the surface. Protective sealer that resists some mild acids, alkalis and oils that may damage concrete. Increases stain resistance and cleanability by sealing the surface pores. Protects against damage from sudden rainfall. Easy application, one coat effectively cures and seals concrete surfaces. No additional burlap or polyethylene sheeting is required. Sika® Florseal WB 25 passes the adhesion requirements of ASTM C1315 Type 1, Class A standard that evaluates the compatibility of the sealer with common adhesives. Specifically, ceramic tile adhesives to the requirements of specification ANSI A136.1-1992 and vinyl tile adhesion to the Resilient Floor Covering Institute specification ADH-1. Meets the requirements of CFIA and USDA for use in food plants. Ministère des Transports du Québec acceptance. Product recognized by the British Columbia Ministry of Transportation(BC MoT).

Technical Data		
Packaging	18.9 L (5 US gal.) pail and 208 L (55 US gal.) drum	
Colour	Water Clear	
Yield	Sika® Florseal WB-18	Sika® Florseal WB-25
Steel trowelled finished concrete	4.9 m ² /L (200 ft ² /US gal.)	7.4 m ² /L (300 ft ² /US gal.)
Float or broom finished concrete	2.5 m ² /L (100 ft ² /US gal.)	4.9 m ² /L (200 ft ² /US gal.)
(These figures do not allow for surface porosity, profile or wastage)		
Shelf Life	2 years in original unopened packaging. Protect from freezing.	
Properties at 20 °C (68 °F) and 50 % R.H.		
Drying Times	Touch-dry	45 min
	Light traffic	4 hrs
	Normal traffic	12 hrs
	Max. hardness	7 days
VOC Content	< 250 g/L	
<i>Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.</i>		

HOW TO USE

Application

Stir well prior to use, ensuring thorough agitation and distribution of any settled material throughout the liquid. Where necessary, use a paint straining mesh or fabric to collect any material which has formed a surface skin; the presence of which is a consequence of reaction during packaging and is not representative of any reduction in product quality. Apply by spray, brush, long nap roller, or lambs wool applicator. For best results, Sika Canada recommends a low-pressure garden-type sprayer with neoprene hoses. Apply uniformly to form a continuous film.

Curing New Concrete: Application should be made immediately following the final finishing operations as soon as the “sheen” of bleeding water on the surface has disappeared and slab can support the weight of an applicator.

Sealing New Concrete: For an excellent sealer and added protection to concrete cured with Sika® Florseal WB-18 & -25, apply a second coat after 28 days of curing. If not previously applied when curing concrete, apply two coats, second coat four hours after first coat. Area to be sealed must be cleaned and free of all foreign matter such as dirt, rubber marks, paint, etc. Apply product at 7.4 to 9.8 m²/L (300 to 400 ft²/US gal.) to dry surface.

Dustproofing / Sealing Aged Concrete: Defective mortar, open joints and spalling should be repaired. Surface must be structurally sound and free of foreign matter such as grease, oil, dirt, and incompatible sealers and coatings. Degrease and remove rubber tire marks followed by a thorough rinse with clean water. Apply product to dry surface at 7.4 to 9.8 m²/L (300 to 400 ft²/US gal.) depending upon the porosity. Second coat is necessary for maximum protection. Apply after 4 hours drying time at 7.4 to 14.7 m²/L (300 to 600 ft²/US gal.).

Coloured Concrete: New or existing concrete, best results are obtained with Sika® Florseal WB-18. Wait a minimum of 72 hours after concrete placement to apply sealer. Existing concrete (minimum 28 day old) surfaces can be sealed with either Sika® Florseal WB-18 or Sika® Florseal WB-25. Do not over apply sealer, use coverage rates list above under “Sealing New” or “Sealing Aged Concrete”. Test samples are recommended to confirm an acceptable result.

Clean Up

Prior to drying; equipment can be cleaned with soap and water.

Care of Sprayer

When not in use, release air pressure from spray can, keep hose and nozzle elevated to drain away from tip.

Limitations

- **Note:** Sika® Florseal WB-18 & -25 are designed as an initial curing and sealing treatment only, not as a long lasting traffic bearing coating. Maintaining the initial glossy appearance on smooth concrete surfaces may require periodic recoating in the heavy traffic areas.
- Do not use Sika® Florseal WB-18 & -25 on floors treated with wax or on surface where a solvent-based cure and seal agent is still present.
- Not recommended for sealing metallic aggregate hardened floors.
- Protect from freezing.
- Do not apply if concrete temperature is below 4 °C (40 °F).
- Test panel applications should be made prior to general application on exposed aggregate, concrete block, stone, precast, coloured concrete, etc to determine acceptability.
- Not suitable for continuous immersion in water or around pools and fountains.
- May not provide bond for cementitious or other adhesives. Sika Canada recommends that a test trial be performed by the adhesive manufacturer or overlayment applicator prior to general application.
- Do not dilute or alter the product in any way.
- Use in well ventilated areas.

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent SAFETY DATA SHEET containing physical, ecological, toxicological and other safety-related data.

KEEP OUT OF REACH OF CHILDREN
FOR INDUSTRIAL USE ONLY

The Information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions, within their shelflife. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or may be downloaded from our website at: www.sika.ca

SIKA CANADA INC.

Head Office
601, avenue Delmar
Pointe-Claire, Quebec
H9R 4A9

Other locations
Toronto
Edmonton
Vancouver

1-800-933-SIKA
www.sika.ca

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