



SPECCOBOND

V.A.E. (VINYL ACETATE ETHYLENE) BONDER SOLUTION

Speccobond is a 23% solids, re-emulsifiable copolymer solution for priming, bonding or modifying cement-based coatings, grouts or mortars. As a primer, **Speccobond** exhibits a high level of tact and is recommended for use with **Speccrete HF-500 Floor Top overlayment, as well as all Speccrete Stampable Overlay**. **Speccobond** will seal the concrete substrate preventing water loss and resulting shrinkage in the topping used. **Speccobond** will also greatly improve bond and flexural strengths of the topping which will increase long term durability. The addition of **Speccobond** into cement mixes provides reduced water absorption which greatly improves freeze-thaw cycling stability and chance of spalling.

BENEFITS:

- Exhibits higher water resistance than straight P.V.A. (Polyvinyl acetate) based liquid bonding agents
- Resulting dried film is water redispersable only for a limited time
- Seals substrate base to prevent possible shrinkage cracking of the overlayment or underlayment topcoat
- Improves overall flexural, tensile, and bond strength of topcoat to substrate

COMPOSITION: A vinyl acetate ethylene copolymer emulsion

LEED CREDIT CONSIDERATIONS: Materials and Resources: **MR Credits 5.2:** Regional materials- Greater than 20% extracted, processed & manufactured regionally at production location: Kankakee IL. 60901 90% Content- Harvested within 500 miles.

TECHNICAL DATA: Exceeds minimum bond strength requirements per ASTM C-1059 for both wet and dry environments. Specimens cast per **ASTM C-1042** type II lattices.

PHYSICAL PROPERTIES at 70° F (21°C):	APPROXIMATE VALUES:
Color:	White emulsion
Solids:	23% +/- 0.50%
Weight/gallon:	8.60 +/- 0.25
pH:	5.50 +/- 0.25

COVERAGE: Apply **Speccobond** solution liberally to the entire area to be coated at an approximate rate of 200-300 square feet per gallon (4.9-7.4 m2/L) depending on the absorption or porosity of the substrate.

SUBSTRATE PREPERATION: All sub-floors should be in a clean, dry, non-dusting, sound condition. Refer to **Speccrete HF-500 Floor Top or Speccrete Stampable Overlay** technical data sheets for recommended surface preparation guidelines. The sub-floor then needs to be “primed” thoroughly with **Speccobond** before application of **HF-500 Floor Top or Stampable Overlay**. Priming the sub-floor prevents absorption of hydration water from the **HF-500 Floor Top or Stampable Overlay** that could affect bond and strength properties. To ensure good adhesion, the **Speccobond** should be pre-tested on the substrate before applying the **HF-500 Floor Top or Stampable Overlay**.

SUBSTRATE PRETEST: A basic but effective pre-test can be performed as follows. Apply the **Speccobond** primer to a small “test” area by brush or broom and let dry for a minimum of 10-12 hours. After this time, cut an “X” through the primer using a sharp knife and then apply a small piece of clear packaging tape over the cut X. If the **Speccobond** primer peels up upon lifting the tape from the X, the substrate is not suitable for application and will have to be re-worked. If the **Speccobond** primer remains intact and does not lift with the tape, then the surface is acceptable.

APPLICATION: Shake or lightly mix the **Speccobond** solution before using to ensure solution consistency. Brush or mop the **Speccobond** primer into the surface taking care to seal all the pores in the concrete and to avoid any “puddling” of the primer. A continuous film should be obtained without any “pinholes” or air openings on the surface, which indicate high porosity. Very porous or absorbent substrates may require 2 coats of primer to seal effectively, with the first coat diluted 1:1 with potable water for better penetration, and the second coat applied with no dilution. Allow 2-3 hours of dry time between coats. The dry time of the **Speccobond** solution will vary with temperature, humidity, wind, or ventilation procedures used during the time of installation.





APPLICATION (Continued): Increase airflow by use of fans to help speed dry time if necessary. Allow the Speccobond to dry completely to a “tacky to touch” consistency before applying *Speccrete HF-500 Floor Top*, *Speccrete Stampable Overlayment*, or any other overlay material being applied.

CAUTIONS: Always run the “pre-test” of substrate as listed above to make sure the *Speccobond* primer adhesion is adequate before proceeding with entire floor mock-up. Primed surfaces are usable up to 24 hours and should not be walked on or subjected to traffic. If the actual job application exceeds 24 hours after applying the *Speccobond*, another application should be applied to the area at a 1:1 by volume dilution with potable water. Keep from freezing! For Industrial Use Only. Do not apply to substrates less than 50° F (10°C).

GHS HAZARD RATINGS: WARNING



IRRITANT: RESPIRATORY TRACT IRRITATION

WARNINGS: IRRITANT: AVOID CONTACT WITH SKIN AND EYES. WEAR PROTECTIVE CLOTHING AND SAFETY GLASSES DURING APPLICATION. KEEP AWAY FROM FOOD AND DRINK. DO NOT TAKE INTERNALLY. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. REFER TO PRODUCT S.D.S. (SAFETY DATA SHEET) FOR FIRST AID INFORMATION, OR ANY RELATED HEALTH AND SAFETY INFORMATION BEFORE USING THIS PRODUCT. FOR MEDICAL EMERGENCIES ONLY, CALL INFOTRAC AT 800-535-5053.

H.M.I.S. CODES: HEALTH = 1, FLAMMABILITY = 0, REACTIVITY = 0, PERSONAL PROTECTION = C (GLOVES, GOGGLES, APRON)

SHIPPING NAME: Concrete Bonding Agent – Water base - Not regulated

SHIPPING CLASS: ITEM 33880, SUB 2, LTL 55

STORAGE: Ideal storage is between 60° to 80° F. Keep from freezing. **If frozen, do not use as the *Speccobond* will separate or coagulate permanently. Dispose of at appropriate waste facility.**

SHELF LIFE: 1 year stored properly. Depending on storage conditions, the shelf life may be extended

PACKAGING: 1gallon (3.78 L), 5 gallon (18.9 L), and 55 gallon (208 L) containers.

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