



B-30 BONDER

BONDING AGENT FOR CONCRETE, STUCCO & PLASTER

Specco **B-30 Bonder** is a P.V.A. based copolymer liquid used to bond new concrete, mortar, stucco, plaster and other cement or gypsum-based materials to existing, clean, structurally sound surfaces. **B-30 Bonder** may be used integrally in the mix or as a bonding primer for horizontal and vertical, interior and exterior applications. **B-30 Bonder** is unaffected by the high alkalinity of gypsum, lime and cement and will rewet up to 72 hours for one time only after covering with cement-based toppings. After the applied topping has been allowed to dry completely, the surface will be moisture resistant.

BENEFITS:

- Increases flexural & adhesive (bond) strengths
- Improves freeze-thaw cycling durability
- Reduces shrinkage and cracking
- Improves water repellent properties and acid resistance
- High solids
- Non-yellowing

LEED CREDIT CONSIDERATIONS: EQ Credits 4.2: Low emitting materials (VOC < 25 g/L). **MR Credits 5.2:** Regional materials- Greater than 20% extracted, processed and manufactured regionally at production location: Kankakee, IL 60901. 90% Content- Harvested within 500 miles.

COMPOSITION: P.V.A. (Polyvinyl Acetate) based homopolymer emulsion, modified with plasticizers.

PHYSICAL PROPERTIES at 70° F (21°C):	APPROXIMATE VALUES:
Weight per Gallon:	9.10 +/- 0.10 lb./ gallon
pH:	4.50 +/- 0.50
Color:	Milky white emulsion
Viscosity-Brookfield:	2700 cps +/- 250
Non-Volatile Solids (%):	55.00 +/- 0.50

TECHNICAL DATA: Exceeds minimum bond strength requirements per ASTM C 1059 / C 1042 Type 1.

DIRECTIONS FOR USE: Stir contents before using. Apply **B-30 Bonder** to clean, structurally sound surfaces only. Use Specco cleaners/etchers to remove surface contaminates. If necessary, sandblast or scarify the surface and remove all loose debris. A trial test is suggested on questionable surfaces. **B-30 Bonder** is recommended to be used as follows:

- **For a bonding (priming) adhesive**, apply undiluted **B-30 Bonder** by brush or roller, liberally to the clean existing surface. Approximate coverage rate is 100 to 150 square feet per gallon depending on surface absorption. While B-30 is still tacky, apply surface topping or coating.
- **For a bonding slurry coat**, dilute **B-30 Bonder** with potable water 1:1. To this mixture add enough fresh Portland cement to obtain a thin paint consistency. Apply cement paste and follow with topping or coating while the bonding slurry is still tacky.
- **For a topping mix (1/8" to 1/4")**, add 1 gallon of **B-30 Bonder** to 94# of Portland cement and 100# fine clean sand. Add potable water to produce a trowelable mix. Mix only enough material that can be used in 15 minutes.
- **For a patching mix**, add 1-2 gallons of **B-30 Bonder** to 94# of Portland cement and 200-300# fine clean sand. Add potable water to produce the desired consistency. Mix only enough material that can be used in 15 minutes.

CAUTIONS: Do not use **B-30 Bonder** in areas where constant moisture prevails. Do not use **B-30 Bonder** in mixes containing early-strength cements or phosphate based compositions. Do not place mixes containing **B-30 Bonder** at





temperatures below 50° F or when temperatures are expected to fall below 40° F. Do not apply mixes containing **B-30 Bonder** on frozen surfaces. Do not place mixes containing **B-30 Bonder** at temperatures above 85° F and rising. Do not apply mixes containing **B-30 Bonder** on hot surfaces over 90° F. Protect mixes containing **B-30 Bonder** from heat, rain, wind, condensation, and traffic for 48 hours. Do not wet or damp cure **B-30 Bonder** modified mixes, allow **B-30 Bonder** modified mixes to air cure only. Do not over-mix or over trowel mixes modified with **B-30 Bonder** as this can cause excessive air entrapment. Heavy traffic areas require a 3-4 day curing period before vehicle use. Keep **B-30 Bonder** from freezing. If allowed to freeze, do not use, discard the material at an approved waste facility.

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 @ 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: KEEP FROM FREEZING. Ideal storage is between 60° to 80° F. **If frozen, do not use as the B-20 Bonder 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: 1 QUART (0.94 L), 1GALLON (3.78 L), 5 GALLON (18.9 L), AND 55 GALLON (208 L) CONTAINERS.

WARRANTY: Specco Industries Inc (Specco) solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Specco, no other representations or statements made by Specco or its representatives, in writing or orally, shall alter this warranty. **SPECCO MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME.** If any Specco product fails to conform with this warranty, Specco will replace the product at no cost to Buyer. **Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages.** Specco does not authorize anyone on its behalf to make any written or oral statements which in any way alter Specco's installation information or instructions in its product literature or on its packaging labels. **Specco explicitly excludes any written or oral statements or implied warranty on the performance of an applied/installed product manufactured or sold by or through Specco. Specco has no control over Specco application standards adherence, site conditions, atmospheric variations, installer/applicator skill level or the determination of the suitability of any Specco products for a specific intended purpose. Buyer shall be solely responsible for determining the suitability of Specco's products for the Buyer's intended purposes.** Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind.

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601 NORTH 5TH AVE • KANKAKEE, IL • 60901
630-257-5060 SPECCO.com

