

B-20 S.B.R. CONCENTRATE LATEX BONDING AGENT

PRODUCT DESCRIPTION: Specco B-20 S.B.R. is a carboxylated, styrene butadiene rubber, co-polymer latex emulsion used to fortify the bond and flexural strength of Portland and hydraulic cements. Specco B-20 S.B.R. imparts excellent water resistance and provides improved protection from freeze-thaw and aqueous solutions of alkalis, acids and salts. Specco B-20 S.B.R. is an ideal “wet” primer for high alkaline, fast setting cement overlays, or overlays exposed to constant moisture attack, provided they are placed over the primer while it is still wet and has not been allowed to dry out (see Cautions).

BENEFITS: IMPROVES TENSILE, FLEXURAL, COMPRESSIVE & ADHESIVE (BOND) STRENGTH... IMPROVES RESISTANCE TO DILUTED ACIDS, ALKALIS AND WATER SOLUBLE SALTS...REDUCES WATER/CEMENT RATIO...IMPROVES RESISTANCE TO SHRINKAGE CRACKING AND FREEZE-THAW CYCLING

COMPOSITION: Styrene Butadiene Rubber copolymer liquid with defoamer

PHYSICAL PROPERTIES at 70° F (21°C):	APPROXIMATE VALUES:
Weight per Gallon:	8.2 +/- 0.2 lb./ gallon
pH:	9.0 +/- 0.5
Color:	Milky white emulsion
Viscosity-Brookfield:	100 cps +/- 25
Non-Volatile Solids (%):	50.0 +/- 1.0
Styrene to Butadiene Ratio:	65 to 35% +/-1.5%

TECHNICAL DATA: Exceeds minimum bond strength requirements per ASTM C 1059 / 1042 Type II for both dry and wet environments. Test documentation shows increased performance of the mix when Specco B-20 S.B.R. Concentrate is added at levels of 15% solids, measured on the weight of the cement. Independent laboratory test data available on request.

SUGGESTED APPLICATIONS:

Use Specco B-20 SBR modified concrete for:

- Floors of dairies, citric juice plants, fertilizer stores, food processing plants and certain chemical plants where the concrete is attacked by aqueous solution of acids, alkalis or salts.
- Bridge decks, parking garage ramps and floors, and structures reinforced with steel that are in or adjacent to salt water. Specco B-20 S.B.R. modified concrete will greatly reduce the penetration of salt water or de-icing chemicals, providing protection of the reinforcing steel against corrosion.

Use Specco B-20 SBR modified mortar for:

- Repairing spalled concrete; provides improved adhesion.
- Leveling of floors; provides a stable structure for laying of the final floor material.
- Stair nosing; provides good abrasion resistance and high flexural strength, protecting against bumps and knocks.
- Lining of potable water pipes, effluent ducts and channels; increases resistance to aqueous solutions of acids, alkalis and salts.

Use Specco B-20 SBR slurry mix for:

- A water resistant rendering for interior or exterior basement walls, and swimming pools prior to the final finish coat.
- A primer to improve adhesion of unmodified concrete or mortar.
- A water resistant sealing coat for unmodified concrete.

DIRECTIONS FOR USE:

Use Specco B-20 S.B.R. as a primer at approximately 150 square feet per gallon. See Cautions.

Use Specco B-20 S.B.R. in the mix water as a bonding additive as listed below:

- 0.5 gallon B-20 S.B.R. to 50# of 1:3 cement / sand mix
- 1.0 gallon B-20 S.B.R. to 80# of concrete mix

All surfaces to receive Specco B-20 SBR modified mixes must be structural sound, clean, and free of all contaminants including curing compounds, form releases, dust, dirt, oil, paint and old coatings. Provide an absorptive surface by mechanical abrasion.

CAUTIONS: Do not allow the B-20 S.B.R. liquid to dry when using as a primer. Any overlay or topping must be applied while the bonder is still wet or tacky. Do not use Specco B-20 Concentrate in mixes containing early-strength cements, air-entraining cements, phosphate cements or in mixes containing air-entraining admixtures. Do not place mixes containing Specco B-20 S.B.R. at temperatures below 50° F or when temperatures are expected to fall below 40° F. Do not apply mixes containing Specco B-20 S.B.R. on frozen surfaces. Do not place mixes containing Specco B-20 S.B.R. at temperatures above 85° F and rising. Do not apply mixes containing Specco B-20 S.B.R. on hot surfaces. Wet cure mixes modified with Specco B-20 S.B.R. for 24 hours and then allow atmospheric curing to occur for an additional 72 hours. Do not use Specco B-20 S.B.R. with white cement mixes. White mixes can yellow due to high styrene composition. Keep Specco B-20 Concentrate from freezing. If allowed to freeze, do not use, discard the material at an approved waste facility.

WARNINGS: Avoid contact with skin and eyes. Wear protective clothing and safety glasses during application. Keep away from food and drink. Do not take internally. Refer to product M.S.D.S. (Material Safety Data Sheet) for further health and safety information. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.

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.

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

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

LIMITED WARRANTY: This product is warranted to be of merchantable quality when used according to the instruction herein. It is not warranted to be suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of the product as purchased, if found to be defective upon inspection by the manufacturer. This limited warranty is issued and accepted in lieu of all other expressed warranties and explicitly excludes liability for consequential damages. Buyer assumes all risk and liability resulting from the use of this product.

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