



S-820 LATEX CONCENTRATE

PRODUCT DESCRIPTION:

S-820 is a copolymer latex system that adds flexibility, improves workability, and freeze/thaw and efflorescence resistance, reduces post cure moisture absorption and increases bond strength when used appropriately. S-820 can be used for floors, walls and ceilings in interior and exterior installations. S-820 meets or exceeds ANSI A118.4 and A118.11 when mixed with an approved mortar.

USES:

Summitville S-820 Latex Concentrate is designed for multiple uses. S-820 can be diluted on the job site with clean potable water to fit several applications including but not limited to the following additives: cement mortar beds, thin set mortar and grout, tuck point mortar, stucco and EFIS.

S-820 mixed with the proper mortar can be used to set any type of ceramic tile, thin brick, natural or cultured stone (non moisture sensitive only) over clean, dry, cured masonry, concrete, brick, fiberglass reinforced backer board, exterior grade plywood, gypsum board, existing tile and marble, vinyl floor coverings, old adhesive, asphalt coatings, metal, and glass settings compliant with industry standards. Consult mortar/grout technical data for appropriate uses and limitations.

S-820 must be shipped and stored in a warm location above freezing. If S-820 becomes frozen, do not thaw until time of use. Before using S-820, mix the container by low shear mixing, stirring, or shaking.

LIMITATIONS:

Use S-820 at atmospheric and surface temperatures between 40° F and 100° F only. Do not use over pressed wood, particleboard, asbestos board, masonite, and similar composition materials. Do not freeze latex. If frozen, keep latex frozen until ready to use. Thaw latex and mix before using. If latex solids fall out of suspension after mixing, do not use the latex. Discard in accordance to local, state and national regulations.

INSTALLATION:

Substrate should be prepared and all layers should be installed in accordance with industry specifications (e.g. ANSI 108, manufacturer requirements, and the Tile Council of North America [Handbook for Ceramic Tile Installations](#) for tile projects as well as any other applicable specifications.)

MIXING:

Add powder to S-820 and mix using slow speed power mixer or hand tools. Avoid whipping air into the mix. Follow powder manufacturer requirements for slake time, installation procedures, protection from the elements, installation and substrate temperatures, etc.

COLORS: White

PACKAGING: 1Gallon, 5 Gallon, 55 Gallon, 280 Gallon

Dilution ratios by volume:

| Latex additive for: | Summitville product # | Water : 820 |
|--|-----------------------|-------------|
| Mortar bed mix 50 LB | S-780 | 2:1 |
| Thin Set 50 Lb. to 810 ratio | S-777 | 1/2:1 |
| Thin Set 50 Lb. to 800 ratio | S-777 | 2:1 |
| MP additional latex thin set fortifier | S-1000, 1300, S-2000 | 4:1 |
| Grout 50 pounds | S-700/S-667 | 4:1 |
| 50 pound dry stucco mix | | 5:1 |

| Gallons of mixed solution to use with each 50lb |
|---|
| 0.5-1.0 |
| 2.0 |
| 2.0 |
| 1.5-2.0 |
| 1 |
| 1.25 |