

STRONG BOND

BONDING AGENT AND LATEX ADMIXTURE

PURPOSE

STRONG BOND is a ready-to-use, acrylic latex bonding agent and admixture. It can be used as a primer for interior or exterior grouting and patching. It can be used as an additive to improve cement or mortar mixes.

STRONG BOND provides:

1. Improved bond strength.
2. Better freeze/thaw resistance.
3. Increased abrasion resistance.
4. Greater compressive strengths.

DESCRIPTION

STRONG BOND is an acrylic latex emulsion bonding agent and admixture for cement-based materials. This nonre-emulsifiable product is free of solvents.

PACKAGING

STRONG BOND is packaged in 55 gallon (208.2 L) drums, 5 gallon (18.9 L) pails and 1 gallon (3.8 L) units.

STANDARDS

STRONG BOND meets or exceeds ASTM-C-1042 Bond Strength of Latex Systems Used with Concrete (Type 2) specifications.

psi	MPa	
1865	12.9	at 14 days
2436	16.8	at 28 days

STRONG BOND meets or exceeds ASTM-C-1059 Latex Agents for Bonding Fresh to Hardened Concrete (Type 2) specifications.

APPLICATION

Storage: To prevent contamination by moisture, containers should be tightly closed and properly stored. Prevent accumulation of water, dirt or other residue on covers.

Preparation: Surface must be structurally sound and clean. Remove loose concrete and repair the surface. Clean all dirt, oil, wax, cures, sealers, paint and other foreign material from the surface.

For increased performance, concrete surfaces should first be abraded using sandblasting, shotblasting or other mechanical methods. Before installation, the surface should be saturated with water, but surface dry. Remove all standing or puddled water.

Methods: This product is ready to use directly from the container. Do not mix with other chemicals or alter in any way. Do not pour unused chemical back into open containers.

As a bonding agent: STRONG BOND is ready to use from the container as a primer for patches or underlayments. Use a stiff brush to scrub material into the sur-

face. Brush application is recommended at a coverage rate of 200 ft² (18.6 m²) per gallon (3.8 L). Place the while STRONG BOND is still wet.

As an admixture: STRONG BOND can be substituted for water in many cement-based products on a 1:1 or 1:2 basis. STRONG BOND will improve the adhesive and bond strengths of many cement-based materials.

Unusual applications or conditions may require the technical assistance of a Symons representative.

DRY TIME

Concrete repairs with STRONG BOND - wait at least 1-2 days at 70°F (21°C) before opening up to foot traffic.

CLEAN-UP

Clean tools and equipment with soapy water and rinse.

LIMITATIONS

Do not use air-entrained cement when using STRONG BOND as an admixture.

Surface and ambient temperatures must be at a minimum of 40°F (4°C). Maintain 40°F (4°C) as a minimum temperature for 48 hours. Low temperatures or high humidity will extend curing time. Do not allow stored product to freeze.

SHELF LIFE

Shelf life of properly stored containers is one year.

PRECAUTIONS

It is mandatory to take the following precautions to protect workers and the public:

1. KEEP OUT OF THE REACH OF CHILDREN.
2. This product is water-based. Protect from freezing.
3. Avoid inhalation of vapors. Ensure adequate ventilation.
4. Avoid contact with skin. Protective clothing is recommended. Contact areas should be thoroughly washed with soap and water.
5. Avoid contact with eyes. Protective goggles are recommended in case of splashing. Flush eyes with water if contact occurs.
6. Avoid ingestion of material. If ingestion occurs, contact a poison center or physician.

Additional precautions, safety information and first aid treatments are contained in the Material Safety Data Sheet.

WARRANTY

Symons warrants, for 12 months from the date of manufacture, or for the duration of the published product shelf life, whichever is less, that at the time of shipment by Symons, the product is free of manufacturing defects and conforms to Symons' published specifications in force on the date of acceptance by Symons of the order. Symons shall only be liable under this warranty if the material has been applied, used, and stored in accordance with Symons instructions in this technical data sheet.

The purchaser must examine the product when received and promptly notify Symons in writing of any nonconformity before the product is used, or no later than 30 days after such nonconformity is first discovered. If Symons, in its sole discretion, determines that the product breached the above warranty, it will, in its sole discretion, replace the nonconforming product, refund the purchase price or issue a credit. This is the sole and exclusive remedy for breach of this warranty.

Only a Symons officer is authorized to modify this warranty. The sales information on the Symons website and received by the customer during the sales process does not supersede this warranty and the specifications of the product in force on the date of sale. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM, TRADE OR OTHERWISE.

LIMITATION OF LIABILITY

Symons shall not be liable, in contract or in tort (including, without limitation, negligence, strict liability or otherwise) for loss of sales, revenues or profits; cost of capital or funds; business interruption or cost of downtime, loss of use, damage to or loss of use of other property (real or personal); failure to realize expected savings; frustration of economic or business expectations; claims by third parties (other than for bodily injuries), or economic losses of any kind; or for any special, incidental, indirect, consequential, special, punitive or exemplary damages arising in any way out of the performance of, or failure to perform, this Agreement, even if Symons could foresee or has been advised of the possibility of such damages. The Parties expressly agree that these limitations on damages are allocations of risk constituting, in part, the consideration for this agreement, and also that such limitations shall survive the determination of any court of competent jurisdiction that any remedy provided in these terms or available at law fails of its essential purpose.

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