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03 30 53 MISC. CAST-IN -PLACE CONCRETE

Bonding Agent & Admix

Bonding Agent & Admixture

DESCRIPTION

Bonding Agent & Admix is a styrene butadiene concrete bonding agent and admixture that is specifically formulated to increase the flexural, bond and compressive strength of modified mixes. Both lab testing and field applications show increased performance in these key areas. Increasing these performance characteristics provides a more Bonding Agent & Admixable, long lasting repair. While traditional types of bonding agents (Acrylic, PVA, EVA) definitely improve the performance characteristics of patching mortars, **Bonding Agent & Admix** utilizes innovative technology to surpass these common materials. **Bonding Agent & Admix** can be used as an admixture to enhance adhesion of cementitious mortars as well as improve resistance to oil, water, salt and chemical penetration. **Bonding Agent & Admix** exhibits excellent resistance to freeze/thaw cycles and can be used for interior or exterior applications.

USES

Bonding Agent & Admix is ideal for bonding new concrete to new concrete or new concrete to old concrete and can be used with cementitious compounds:

- Patching materials
- Grouts
- Masonry coatings
- Stuccos coatings
- Masonry mortar

BENEFITS

- Durable: Increase tensile strength, flexural strength and chemical resistance over non-modified mortars
- Curing: Increase water retention properties
- Excellent Bonding Agent: Superior adhesion properties
- Freeze/Thaw Resistance: Increased resistance to dramatic climatic changes

STANDARDS

Bonding Agent & Admix meets and exceeds the requirements of ASTM C1059, Type I and II for Latex Bonding Agents.

SURFACE PREPARATION

All surfaces in contact with **Bonding Agent & Admix** shall be free of dirt, oil, grease, laitance and other contaminants that may act as bondbreakers. All unsound concrete should be removed to ensure a good bond. Smooth, dense surfaces need to be mechanically abraded to provide necessary bonding requirements. If mechanical abrasion is needed refer to ICRI Guideline 310.2 for proper surface preparation methods. Substrate shall be dry. Always apply a test patch. Maintain contact areas between 40°F (4°C) and 90°F (32°C) prior to repair and during initial curing period.

PHYSICAL PROPERTIES

Complies with National Volatile Organic Compound Emission Standards.

VOC	<10 g/L
Color	Milky White Liquid
Solids Content	12.5%
Dry Time	20 minutes @ 70°F (21°C)

MIXING

For best results, mix thoroughly before each use. Do not over agitate or use high speed mixing equipment. Stir **Bonding Agent & Admix** to a uniform blend when combined with water. When batching with **Bonding Agent & Admix**, always premix both the dry ingredients (sand and cement) and the wet ingredients separately. Next, slowly blend the dry ingredients into the wet ingredients to form a mortar of desired consistency.

PLACING

As a bonding agent for patching compounds, apply with a low pressure sprayer, brush or roller at a rate of 300 ft²/gal when diluted 1:1 with cool, clean potable water. A hand held pump sprayer or an airless industrial sprayer is acceptable. Apply evenly without puddling. Apply patch while **Bonding Agent & Admix** is still tacky.

STORAGE

Protect from freezing. Store material in an interior, cool, dry place above 40°F (4°C). Shelf life is one year in original, unopened container.

CLEAN-UP

Clean tools and equipment with warm, soapy water. After material has dried, it may be necessary to use solvents such as mineral spirits, toluene or xylene.

LIMITATIONS

In addition to the limitations already mentioned, please note the following. Do not apply when the surface or ambient temperature is below 40°F (4°C) or expected to fall below 40°F (4°C) within 48 hours. High humidity and excessive moisture will retard curing time of **Bonding Agent & Admix** modified mixes.

Packaging: 1 gal (3.8 L) jug, 5 gal (18.9 L) pail, 55 gal (207.9 L) drum



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DANGER

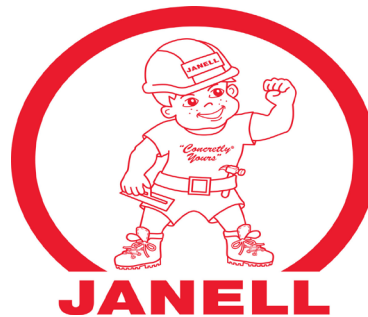
May be harmful if swallowed. May be harmful if inhaled. May cause skin irritation. May cause eye damage. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated place. Keep away from children. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Dispose of contents/container in accordance with local/regional/national/international regulations.

FIRST AID

If swallowed: Immediately call a poison center/doctor. Rinse mouth. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.

MANUFACTURER/TECHNICAL SERVICE

Exclusively manufactured for Janell Inc. by **US SPEC of Denver, CO**. Contact your Janell representative for the most current product information. Always read and follow the warnings and instructions on the most current technical data sheets.



Cincinnati, OH: 513-489-9111 Dayton, OH: 937-866-9111
Norwood, OH: 513-651-9111 Columbus, OH: 614-224-9111
Erlanger, KY: 859-341-9111 Lexington, KY: 859-254-9111

LIMITED WARRANTY: The manufacturer warrants that this product is free from defects in material and workmanship, and will perform per the manufacturer product literature in effect at the time of purchase. This warranty is for one (1) year from the date of purchase. Any implied warranty of merchantability or fitness for a particular purpose is limited to the duration of this express warranty. This warranty applies only if the product is used, in strict accord with the manufacturer published instructions. The sole and exclusive remedy under this warranty is replacement of the defective product or refund of the purchase price, at the manufacturer's option. **CONSEQUENTIAL, SPECIAL, AND INCIDENTAL DAMAGES ARE NOT RECOVERABLE UNDER THIS WARRANTY.** All claims under this warranty must be submitted to the manufacturer by calling 303-778-7227. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.