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03 30 53 MISC. CAST-IN -PLACE CONCRETE

## Bonding Agent OTR

*One Time Re-Emulsifiable Bonding Agent*

### DESCRIPTION

**Bonding Agent OTR** is a one time re-emulsifiable, ethylvinyl acetate (EVA) copolymer for use as a liquid bonding agent.

**Bonding Agent OTR** has high strength in dry film and provides a better wet bond than acrylic or PVA products. Unlike PVA products, it allows for exterior use, increased water and alkali resistance and a lower film formation threshold. **Bonding Agent OTR** is considered less sticky, more workable and more versatile than acrylic bonders. **Bonding Agent OTR** will re-emulsify once and will not re-wet again. It can be used in interior or exterior applications not subject to water immersion.

### USES

**Bonding Agent OTR** is an ideal primer for use with **Flowsmooth** or other cementitious compositions because of its one-time re-emulsification ability. **Bonding Agent OTR** can also be used as a bonding agent with portland or gypsum cement underlayments, patches, mortars and coatings to increase adhesion, as well as flexural and tensile strength. **Bonding Agent OTR** will bond to concrete, masonry and brick.

### BENEFITS

- Versatile: Bridges gap between acrylic and PVA products
- Excellent Bonding Agent: Superior adhesion properties
- Can be used when there is a delay of up to seven days prior to application of top coat
- Water-Based: Low odor, VOC compliant and easy clean-up
- Consistent: Strict Quality Control testing and standards

### STANDARDS

**Bonding Agent OTR** exceeds the requirements of ASTM C1059 Type I and II for Latex Bonding Agents.

### SURFACE PREPARATION

All surfaces in contact with **Bonding Agent OTR** 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.

### MIXING

For best results, mix thoroughly before each use. Do not over agitate or use high speed mixing equipment. Stir **Bonding Agent OTR** to a uniform blend when combined with water.

### PHYSICAL PROPERTIES

Complies with National Volatile Organic Compound Emission Standards.

Appearance	Milky White Liquid
Solids Content	55%
pH	4.5
Specific Gravity	1.1
Lbs / Gal	8.9
Freeze/Thaw Stable	No
Min. Film. Form	32°F (0°C)
Mechanical Stability	Excellent
Water Resistance	Good
Viscosity	2,300 CPS

### PLACING

As a primer for **Flowsmooth** and **Flowtopper**, apply evenly with a soft push broom. Do not use paint rollers, mops or spray equipment. Prime the surface with **Bonding Agent OTR** at a rate of 500–600 ft<sup>2</sup>/gal when diluted 2:1 with cool, clean potable water. Coverage rate of **Bonding Agent OTR** will vary depending on the porosity of the surface. Extremely absorbent concrete may require two applications of **Bonding Agent OTR** to avoid the formation of “pinholes” in the underlayment. Allow **Bonding Agent OTR** to fully dry prior to placing underlayment.

As a bonding agent for patching compounds, apply with a low pressure sprayer, brush or roller at a rate of 300 ft<sup>2</sup>/gal (27.9 m<sup>2</sup>/3.8 L) 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. Allow **Bonding Agent OTR** to fully dry prior to placing patch.

### 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 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. Do not use **Bonding Agent OTR** in areas subject to constant immersion, such as swimming pools.

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



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**WARNING**

May cause eye damage/irritation. May cause skin irritation. May cause respiratory irritation. Wear protective gloves and eye/face protection. Wash with plenty of water and soap thoroughly after handling. Avoid inhalation of vapors. Do not eat, drink or smoke when using this product. Use only outdoors or in a well ventilated area.

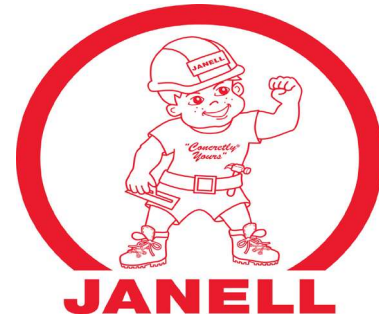
**FIRST AID**

If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: call a poison center or doctor/physician. If swallowed: contact a poison control center/doctor if you feel unwell. Rinse mouth. If on skin: wash with plenty of soap and water. If skin irritation or rash occurs, get medical advice. Take off contaminated clothing and wash it before reuse.

**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  
Norwood, OH: 513-651-9111  
Erlanger, KY: 859-341-9111

Dayton, OH: 937-866-9111  
Columbus, OH: 614-224-9111  
Lexington, KY: 859-254-9111

**NOTICE OF LIMITED WARRANTY** US MIX Co. (manufacturer) warrants to buyer that this product at the time and place of shipment is of good quality and conforms to the manufacturer's specifications in force on the date of manufacture when used in accordance with the instructions hereon. Manufacturer cannot warrant or guarantee any particular method of use, application or performance of the product under any particular condition. This limited warranty cannot be extended or amended by manufacturer's sales people, distributors or representatives or by any sales information, specifications of anyone other than the manufacturer. Liability under this warranty is expressly limited to refund of the purchase price. See product packaging for complete limitation of warranties and liability.