



MASONS SUPPLY COMPANY

OREGON • WASHINGTON

NORTHWEST BONDBREAKER FAST DRY

DESCRIPTION

NORTHWEST BONDBREAKER FAST DRY is a fast drying, long chain, chemically reactive bondbreaker for tilt-up construction. It is formulated specifically for the unique climate of the northwest United States and is available exclusively from Masons Supply Company. NORTHWEST BONDBREAKER FAST DRY is free of silicones, resins, and waxes. Panels will lift clean and free of resin staining. Organic compounds in NORTHWEST BONDBREAKER FAST DRY react with the free limes in the concrete, producing gels that form a water impermeable barrier. The water impermeable barrier restricts mix water (needed for hydration) from being sucked into the casting slab. The resulting downside surface of the panel will be stronger and have a more uniform appearance. NORTHWEST BONDBREAKER FAST DRY prevents bonding of masonry and concrete droppings from overhead pour areas.

BENEFITS

- Fast drying
- No back rolling required
- Will not freeze
- Chemically reactive
- Resists rain & weather
- Non-staining
- Free of silicones, resins, and waxes
- Contains a fugitive dye for ease of application
- Sprays easily

USAGE

Provides a clean easy lift for tilt-up and lift slab concrete construction.

APPLICATION

FRESH CONCRETE-CURE COAT - Ready to use. Do not dilute. Apply a CURE COAT of NORTHWEST BONDBREAKER FAST DRY immediately after final steel troweling and surface water has disappeared. Coverage should be 200-400 sq. ft. / gal. This is the first and most important coat. Enough product must be applied to allow it to remain on the surface of slab without being sucked into the slab's pores and without puddling. Heat, low humidity and wind make it more imperative to apply cure coat immediately after finishing. The solvents in NORTHWEST BONDBREAKER FAST DRY are lighter than water, so NORTHWEST BONDBREAKER FAST DRY will float and remain on the surface of the slab if applied soon enough. The entire slab must be completely covered. DO NOT OVER OR UNDER APPLY.

BONDBREAKER COATS - Pour areas must be smooth, dense and well cured. Just prior to placing reinforcing steel and within two weeks of pouring panels, spray apply NORTHWEST BONDBREAKER FAST DRY at 400 – 500 sq. ft. per gal. (to the point of rejection) depending on slab porosity, heat and wind. Spray apply at right angles to cure coat spray pattern. Wait a minimum of two hours or until dry and apply a second coat, no sooner than two to four hours before pouring. Coverage will typically be 500 – 700 sq. ft. / gal. Due to slab

variables such as mix designs and slab porosity, actual coverage rate can only be determined by the presence of a wax-like feel over the entire slab with no areas of over or under application.

HOT WEATHER PROCEDURE - Flood or fog the slab with water prior to the first bondbreaker application. Squeegee off the excess water then apply the first bondbreaker coat. Once dry, apply the second bondbreaker coat. Immediately before pouring panel concrete, spray cool clean water in panel to help prevent hot rebar pattern transfer and the osmotic effect.

OLD CONCRETE- When casting over old concrete where NORTHWEST BOND BREAKER FAST DRY was not used, be sure the concrete is smooth, dense, clean, free of other curing compounds, and suitable for pouring panels. It is essential that a membrane of NORTHWEST BONDBREAKER FAST DRY is formed at the surface. Flood slab with water and push off excess with squeegee leaving no puddles. Immediately apply NORTHWEST BONDBREAKER FAST DRY over damp slab to point of rejection, 200 – 500 sq. ft. / gal. Wait a minimum of two hours or until dry and apply one or two additional coats, at right angles to previous coat. Coverage will typically be 500 – 700 sq. ft. / gal. **The final coat must be completely dry before pouring panels.**

TEST BEFORE POURING: Slab must feel like a hard soap or wax. Slab must also bead water. If slab does not pass these tests, another coat is required. Let it dry and retest. Bondbreaker must be dry before pouring concrete.

COVERAGE

| | |
|---------------------|------------------------|
| Cure Coat | 200-400 sq. ft. / gal. |
| Bondbreaker: | |
| 1st coat | 400-500 sq. ft. / gal. |
| 2nd coat | 500-700 sq. ft. / gal. |

DRYING TIMES

| Concrete & Air Temperature | Typical Drying Time |
|----------------------------|---------------------|
| 40°F - 50°F | 3-4 hrs. |
| 50°F - 60°F | 2-3 hrs. |
| 60°F - 70°F | 1-2 hrs. |
| 70°F - 80°F | 30 min. – 1 hr. |
| 80°F - 100°F | < 30 min. |

The dry time of NORTHWEST BONDBREAKER FAST DRY, like all products, is dependent upon multiple influences, such as temperature, humidity, application rate, concrete porosity, how much direct sunlight is present, etc. Since every job-site condition is unique, the above table should be used as a guide only.

PHYSICAL PROPERTIES

| | |
|----------------------|------------------------|
| Finished Appearance: | Clear |
| Color: | Red Clear in Container |
| Flash Point: | 104°F |

COMPLIANCES

- This product meets or exceeds Federal EPA V.O.C. requirements.
- Meets moisture retention requirements of ASTM C-309 when tested on steel troweled concrete.

RECOMMENDATIONS

- Not recommended for use in tilt-up applications where casting slab or panel concrete mix design incorporates high fly ash content. Contact Masons Supply for specific recommendations. Failure to receive specific recommendations regarding application procedures and application rates may result in panel surface blemishes or panel sticking.
- When casting on waste slabs, a minimum of 3000 psi mix design should be utilized for proper separation of panels.
- HOT WEATHER - Best results are obtained if pour area is fogged with water before pouring. Not for use on broom finished concrete.
- Contact manufacturer for instructions for use on sand-bed-exposed aggregate panels.
- Do not apply to reinforced steel.
- Puddles, runs and excess material must be avoided. Wipe up with squeegee or rags.
- Avoid spray drift.
- Other bondbreakers, sealers or cures are not compatible with NORTHWEST BONDBREAKER FAST DRY.
- When applied according to manufacturer's instructions, NORTHWEST BONDBREAKER FAST DRY does not alter the bondability of concrete for subsequent paints and coatings. Always follow the paint or coating's application instructions. NORTHWEST BONDBREAKER FAST DRY instructions do not supercede the paint or coating manufacturer's preparation or application instructions.
- Foot traffic should be avoided on sprayed areas until dry.
- Rain occurring prior to product drying will necessitate reapplication after slab dries.
- Avoid scouring slabs or panels when pouring concrete.

PACKAGING

5 gallon and 55 gallon DOT approved containers.

Storage: 40° F to 85° F

Protect from Freezing.

Shelf Life: 1 year unopened, in protected storage.

Freight Class: Class 55

DOT Hazard Class: Combustible Liquid, NA 1993

Packing Group: III

Shipping Name: Combustible Liquid, n.o.s.

HAZARDS IDENTIFICATION

Expect to have a low degree of toxicity by inhalation. Excessive inhalation of vapors and/or spray/mist may cause respiratory irritation, dizziness, weakness, nausea, headache, loss of coordination and fatigue. Contact with eyes may cause mild irritation including stinging, watering and redness. Skin irritant; contact may cause redness, burning, drying and cracking of the skin and skin damage. Ingestion is not expected to be a relevant route of exposure. Aspiration hazard; this material can enter the lungs during vomiting or swallowing and cause lung inflammation and damage (pneumonitis and/or pulmonary adema).

FIRST AID

Inhalation: Remove victim from exposure to fresh air. If victim has difficulty breathing, administer oxygen. If breathing has stopped, administer artificial respiration. Seek medical attention.

Eyes: Flush eyes with water, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.

Skin: Remove contaminated shoes and clothing, flush affected area with large amounts of water. If skin surface is damaged, apply a clean dressing and seek medical attention. If skin surface is not damaged, cleanse affected area thoroughly by washing with mild soap and water. If irritation or redness develops, seek medical attention.

Ingestion: Aspiration hazard; do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Seek medical attention.

TECHNICAL SERVICE

For application procedures or surface conditions not specified above, please contact::

MASONS SUPPLY
2636 SE 12th Ave
Portland, OR 97202
(503)234-4321, FAX (503)234-5606
masco.net

DISCLAIMER OF WARRANTIES AND LIMITATIONS OF LIABILITY

MASONS SUPPLY CO. (Seller) warrants that if any goods supplied prove defective in workmanship or material, that Seller shall replace them or refund their purchase price. THIS WARRANTY IS MADE IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND/OR FITNESS WHICH ARE HEREBY DISCLAIMED. IT IS UNDERSTOOD AND AGREED THAT BUYER'S SOLE REMEDY, AND THEREFORE SELLER'S LIABILITY, WHETHER IN CONTRACT, TORT, UNDER ANY WARRANTY, IN NEGLIGENCE, OR OTHERWISE SHALL BE LIMITED TO THE RETURN OF THE PURCHASE PRICE PAID BY PURCHASER OR REPLACEMENT OF ANY DEFECTIVE GOODS SOLD BY SELLER AND UNDER NO CIRCUMSTANCES SHALL SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES. THE PRICE STATED FOR THE GOODS IS A CONSIDERATION IN LIMITING SELLER'S LIABILITY. Before application, the User shall determine the suitability of the product for his intended use and User assumes all risks and liabilities whatsoever in connection therewith. The terms of this paragraph may not be orally modified. **THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE FACE HEREOF.**

2/19/06

| | | | | | | | | |
|-------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| OR: Airport (PDX) | Clackamas | Eugene | West Eugene | Hillsboro | Medford | Portland | Salem | Wilsonville |
| 503-254-8818 | 503-722-1528 | 541-744-6696 | 541-683-1408 | 503-533-0107 | 541-772-6161 | 503-234-4321 | 503-585-5504 | 503-582-9320 |
| WA: Seattle | Tacoma | Vancouver | Vanc. Form | Woodinville | | | | |
| 206-767-4645 | 253-581-6161 | 360-694-8700 | 360-737-7969 | 425-487-6161 | | | | |