



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: 61°F – Closed Cup

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 3,000 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.

UN Number: 1993

UN Proper shipping name: Flammable Liquids, N.O.S. (T-Butyl Acetate)

Transport hazard class(es): 3

Packing group (if applicable): III

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

General Advice: Take proper precautions to insure your own health and safety before attempting to rescue and providing first aid. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Skin: Get medical aid. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing/shoes.

Inhalation: Remove person to fresh air. If signs/symptoms continue, get medical attention. Give oxygen or artificial respiration as needed.

Eyes: Thoroughly flush the eyes with large amounts of clean, low-pressure water for a least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation persists, seek medical attention.

Ingestion: DO NOT induce vomiting. If vomiting does occur, have victim lean forward to prevent aspiration. Rinse mouth with water. Seek medical attention. Never give anything by mouth to an unconscious individual.

TECHNICAL SERVICE

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

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09/2014

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