



TILT WASH® Bond Breaker Remover Technical Data Sheet

PRODUCT DESCRIPTION:

Tilt Wash® is an industrial strength cleansing solution specifically engineered to quickly remove barrier-type form release agents known as “bond-breakers” from tilt-up or off-form concrete prior to the application of paints, coatings, and sealers.

Tilt Wash® is the ultimate pre-mixed concrete cleansing solution. With its approximately 1,000 sq. ft. of coverage per gallon, this water-based, **ready-to-use** formulation requires NO mixing, and can be easily applied with a handheld pump sprayer, airless sprayer, or pressure washer.

MAIN FEATURES & BENEFITS:

- Cleans & Conditions Tilt-Up/Off-Form Concrete by Removing “Bond Breaker” Contaminants
- Pre-Mixed, Ready to Use Cleaning Solution
- Easy Spray Application with Hand-Held Pump Sprayer, Pressure Washer, or Airless Sprayer.
- Simple Clean-Up with Water Rinse
- Prepares Concrete Surfaces for the Application of a Paint or Texture System
- Low Toxicity, Water-Based Formulation
- Uses Approximately 1/5th the Water vs. High-Pressure Water-Blaster Methods

TECHNICAL DATA:

FORM:	Liquid
COLOR:	Orange
SCENT:	Orange Citrus
WT./GALLON:	10 lbs.
pH:	7.2 - 8.2
COVERAGE:	Approx. 1,000 Sq. Ft./Gallon
SHELF LIFE:	Approx. 3 Years



RECOMMENDED SUBSTRATES:

Only use **Tilt Wash®** on tilt-up or off-form concrete. Should overspray occur onto non-concrete surfaces, simply wash away **Tilt Wash®** with water before it dries.

FREQUENTLY ASKED QUESTIONS:

Q: What are “bond-breakers”?

A: Bond-breakers are emulsions that are applied to concrete slabs to prevent bonding of layers of concrete and forms during the concrete casting process. Barrier-type bond-breakers are separator substances applied in between adjoining solid surfaces to ensure that there is no adhesive molecular bond between the surfaces. Leaving these bond-breakers on panels can result in negative long-term effects.

Q: Why do “bond-breakers” need to be removed?

A: Bond-breakers leave a greasy and water-resistant residual layer on the substrate. Bond-breakers cause 95% of all paint adhesion failures on tilt-panel construction, which can be extremely costly and time consuming to fix.

Q: How do I know if a “bond-breaker” is present?

A: There is almost always a bond-breaker present on tilt-up panels in varying degrees, both internal and external sides. Bond-breakers are generally clear, which makes them extremely difficult to detect.

See the “**TESTING**” section of this document for how to detect if a bond-breaker is present.

Q: Can I dilute Tilt Wash® with water?

A: **Tilt Wash®** is already professionally premixed for you. Any further dilution of the product is not recommended, as it may weaken the effectiveness of the solution.

TESTING:

Before beginning any large-scale application, always identify if there is a bond-breaker present by performing one or both of the following tests on the concrete substrate.

WATER-BEAD TEST: Spray the panel with water and if you observe a beading of the water as it is sprayed onto the panel there is a bond breaker present. If the panel does not bead, the concrete should take on a darker appearance. If this happens, perform the pH Indicator Test.

pH INDICATOR TEST: Fill a spray bottle with clean water. Hold a fresh pH indicator strip on the concrete panel keeping the strip in contact with the concrete. Spray a small amount of water onto the strip. Let soak for approx. 1 minute. Align the indicator strip with the colored scale in the packet and read the pH level of your concrete. If the reading is 4-8, there may be a bond breaker on the panel. There is likely no bond breaker present if the pH is 8 or higher. Refer to paint coating manufacturer's pH requirements prior to painting.

Once the presence of a bond breaker is confirmed, perform a small product test on the surface following the **DIRECTIONS** below to ensure product compatibility.

SURFACE AND AIR TEMPERATURES:

Use Tilt Wash® on surfaces where the temperature is between 50°F/10°C and 90°F/32°C. The product can be applied as low as 40°F/4.4°C, but the time to work is increased and effectiveness may be reduced.

DIRECTIONS:

STEP 1: Using a hand-held pump sprayer, pressure washer, or airless sprayer, work in small, manageable sections and spray onto the concrete, starting from the **bottom** and working upwards, saturating the surface with **Tilt Wash®**. Soapy bubbles may form, this is normal. Within seconds, the sprayed area should darken in color. The darkening is the chemical confirmation that the bond-breaker has successfully been removed.

DO NOT LET THE PRODUCT DRY ON THE SURFACE.
IF THE PRODUCT DRIES, APPLY AGAIN AND MOVE TO STEP 2.

STEP 2: Thoroughly rinse the area immediately with clean water using a hose or pressure washer, working from the top down (the opposite of **STEP 1**). The water should be penetrating the surface of the concrete, as opposed to beading. This will confirm the bond breaker has been removed. A second rinse should be applied immediately after the first.

Prior to the application of any coating system, always perform pH and paint adhesion tests as per your paint manufacturer's recommendations.

AVAILABILITY & COST:

Tilt Wash® is available in 5 Gallon containers or 264 Gallon totes. All **Dumond®** brand products are available through a nationwide network of paint and hardware stores, safety supply distributors, or online.

For an in-person outlet nearest you, please visit www.dumondglobal.com. Once on the website, type your postal/zip code into the dealer locator to find the address and phone number of your nearest dealer.

HEALTH & SAFETY REQUIREMENTS:

The full Safety Data Sheet (SDS) for **Tilt Wash®** can be found online at www.dumondglobal.com. View the SDS **BEFORE** product use for required safety information.

DANGER: CAUSES SKIN AND SERIOUS EYE IRRITATION

CONTAINS: Alkyl Benzenesulfonic Acid.

ADVICE ON SAFE HANDLING: Avoid contact with skin, eyes, or clothing. Use Personal Protective Equipment (PPE) as required. Remove PPE immediately after handling this product. Wash thoroughly after handling before eating, drinking, smoking, or using toilet facilities. Protect the container from physical damage. Follow all label precautions even after container is emptied because it may retain product residues. Do not breathe vapors, dust, or spray mist. Do not handle until all safety precautions have been read and understood.

EYE CONTACT: If in eyes, hold eyelids apart and cautiously rinse the eyes continuously with running water for several minutes. Remove contact lenses, if present and easy to do. Immediately contact a poison control center or physician and continue flushing for at least 15 minutes or until advised to stop. Transport to a physician if necessary.

SKIN/HAIR CONTACT: Remove any contaminated clothing and wash skin and hair with soap and running water. Wash clothing before reuse. If swelling, redness, blistering, or irritation occurs, seek medical assistance.

For additional emergency assistance, please call **1-800-535-5053** in the United States. International assistance is available at **1-325-323-3500**. Both numbers are available **24/7/365**.

STORAGE: Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from oxidizing agents. Keep containers closed when not in use. Check regularly for leaks.

KEEP OUT OF REACH OF CHILDREN.

WARRANTY:

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TECHNICAL SERVICES:

Dumond Inc.'s expert staff is available to answer technical questions and provide product-specific information. For business hours, see our website for more information.

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The logo for Dumond Inc. features the word "DUMOND" in a bold, green, sans-serif font. The letters are stylized, with the 'U' and 'O' having a small dot in the center. A registered trademark symbol (®) is located at the top right of the final 'D'.