



TuffRelease™ Concentrate

Concentrated Water Base Form Release

1.01 DESCRIPTION

TuffRelease™ Concentrate, once diluted, creates a reactive, water-based, release agent for all types of concrete forms. Forms treated with TuffRelease™ Concentrate easily minimizes the number of bug holes. TuffRelease™ Concentrate will not damage styrene bead or form liners. It leaves a coating on steel forms that inhibits rust. Please use the correct product grade that complies with VOC regulations as per federal, state, county and city regulations/codes at the place of installation of product.

1.02 USES

- All Types of Forms
- Equipment Protection such as Paving Forms and Machines, Hoists, Buckets, as well as Steel and Aluminum Windows
- Maintenance Reduction on Metal Forms
- Increases Lifespan of Wood Forms

1.03 FEATURES

- Improves Release of Formwork
- Protects Formwork against Rust
- Reduces Concrete Buildup on Formwork And Liners
- Reduces Cleaning of Formwork
- Leaves No Residue, Stain or Discoloration
- Reduces Concrete Surface Voids
- Sprays Easily

1.04 TECHNICAL DATA

Meets V.O.C. emission requirements for form releases (EPA limit < 350 g/L). V.O.C. content <250 g/L

1.05 PACKAGING

275 gallon (1041 liters) tote
55 gallon (208 liters) drum
5 gallon (3.8 liters) pail

1.06 COVERAGE

Form surfaces should be clean of dirt, rust, scale and concrete build-up prior to application. Spray application of TuffRelease is recommended with coverage as follows:

Steel, Plastic, Fiberglass	1000 sqft/gal (24.5 sqm/liter)
Conditioned Aluminum	1000 sqft/gal (24.5 sqm/liter)
HDO Plywood	1000 sqft/gal (24.5 sqm/liter)
MDO Plywood	1000 sqft/gal (24.5 sqm/liter)
Dimensional Lumber	1000 sqft/gal (24.5 sqm/liter)
BB Grade Plywood	1000 sqft/gal (24.5 sqm/liter)

Actual application rates depend on the porosity of the form surface.

1.07 APPLICATION

Dilution: Mix 1 part TuffRelease™ Concentrate with 4 parts clean water in a clean container. Mix thoroughly for 2-3 minutes

For best results, agitate TuffRelease™ Concentrate before each

use and then spray apply using an atomizing or misting spray tip so that application creates a thin uniform film to maximize product performance and economy. Over application will not produce better results and may cause dusting.

Excess material or puddles should be removed with a squeegee and absorbent rags. When properly applied, TuffRelease™ Concentrate will not leave any residue or stain on the concrete, producing a smooth, architectural concrete surface ready for subsequent coatings. Coating manufacturer's recommendations for surface preparations must be followed.

1.08 CLEAN UP

Tools and Equipment: Flush and clean with water immediately after use. Use PSI's Solvent 100 or other cleaning solvents for sprayers to remove cured or residual material.

1.09 STORAGE AND SHELF LIFE

The material should be stored between 40-95°F (4-35°C) in a cool, dry area away from direct sunlight. The shelf life of properly stored, unopened container is 12 months from the date of manufacture. An excessive temperature differential and/or high humidity can shorten the shelf life expectancy.

1.10 LIMITATIONS

Do Not Allow the diluted TuffRelease™ Concentrate to freeze. Should not be used as a bond breaker in tilt-up construction. DO NOT EXPOSE TO OR APPLY NEAR FIRE OR FLAMES. FOR WELL VENTILATED OR EXTERIOR USE ONLY!

READ SDS PRIOR TO USING PRODUCT. KEEP OUT OF THE REACH OF CHILDREN.

Please read all information in the General & Safety Guidelines, Technical Data Sheets, Guide Specifications and Safety Data Sheets (SDS) before applying material. PSI Products are for “Professional Use Only” and preferably applied by professionals who have prior experience with the PSI Products or have undergone training in application of PSI Products. Published technical data and instructions are subject to change without notice. Contact your local PSI representative or visit our website for current technical data, instructions, and project specific recommendations.

LIMITED WARRANTY

PSI warrants its products to be free of manufacturing defects and that they will meet PSI current published physical and chemical properties. Seller’s sole responsibility shall be to replace that portion of the product which proves to be defective. There are no other warranties by PSI of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. PSI shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. PSI shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. PSI reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

DISCLAIMER

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user’s responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and PSI makes no claim that these tests or any other tests, accurately represent all environments.