



FORM RELEASE 88™

Chemically reactive concrete form release agent for use on metal, aluminum, wood, and plastic forms

Advantages:

- Allows a clean and easy release or strike without damage to the concrete face or form
- Assists in obtaining maximum reuse of forms
- Supplied in a ready-to-use form
- Better coverage than oils
- Non-staining
- Minimizes surface dusting

Coverage:

- Varies from 650-1500 ft² per gal (16-36.8m²/L) based on coverage surface

See Coverage section for full details

Packaging:

55 gal (208.2L) drum
5 gal (18.9L) pail



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Product Description

FORM RELEASE 88™ is a general purpose, chemically active concrete release agent. It contains substances that react chemically with alkalis from concrete to produce a release agent that positively prevents bonding between the poured concrete and the form being used. FORM RELEASE 88™ is a chemical type release agent, not a lubricating type. The result is concrete with fewer and smaller air void. The chemical reaction allows the entrapped concrete with fewer and smaller air voids. The chemical action allows the entrapped moisture and air to slide up and out of the form more easily with the same amount of concrete vibration. The chemicals used are stable; they resist rain wash-off and will not deteriorate from the sun or heat or form a jelly-like residue. FORM RELEASE 88™ provides a clean and easy release without damage to either the concrete face or the form.

FORM RELEASE 88™ will prolong the life of plywood forms. It also contains a rust inhibiting agent to reduce rusting of steel forms. It will not stain concrete when applied according to directions.

Lambert Corporation has several types of form release agents available; some are better suited than others for a particular form material or job condition. The best way to evaluate the use and performance of a form release agent is to try it under actual or near actual job conditions.

FORM RELEASE 88™ is used on wood and plywood forms, steel and aluminum forms, fiberglass forms, treated paper or composition forms.

Installation

Before using this product, please refer to the Material Safety Data Sheet for additional information. Proper handling precautions

MUST be followed. The conditions of use, handling, and application of this product and information (whether verbal or written), including any suggested formulations and recommendations, are beyond Lambert Corporation's control. Therefore, it is imperative that testing be performed to determine satisfaction and suitability for intended use and health, safety, and environmental issues. The following information is meant as a guideline of best industry practices. While Lambert Corporation does suggest adherence to these guidelines, unforeseeable variables and/or developed successful installer practices may cause variation in methods and/or results.

Surface Preparation

It is very important for the formwork to be as clean and dry as possible and free from splashes of extraneous oils or greases, hardened concrete, tying wire, or other concrete contaminants. The application equipment used must be clean and not be used for any other kind of work.

Application

The objective in applying a release agent is to achieve a thin, uniform and complete film coating. No matter how efficient the form release being used, applying too much is as bad as too little.

A very thin film of FORM RELEASE 88™ assures a positive release and leaves an unstained architectural surface that minimizes surface voids and prevents surface glaze. The method of application must be related to the particular job, to the type of forms, and to the type of release agent used. Application of FORM RELEASE 88™ is usually by spray, brush, or roller. Spraying is the preferred method of application. Airless spray is more satisfactory than compressed air sprays for large job applications. For small applications, a hand pressurized industrial pump sprayer works well. Spraying pressure should be 25-30 PSI or higher. Flat spray tips produce the

uniform and thinnest film of release agent. Forms should be coated prior to each use. Prior to coating new plywood forms, apply one or two heavy brush coats to edges for waterproofing protection. FORM RELEASE 88™ works best when applied to forms lying flat on the ground. Spread uniformly with cross spray to avoid pinholes and uncoated areas.

When forms are vertical, a thin uniform application is important. Spraying at the top and flooding surface all the way to the bottom will result in a heavy buildup of form release on the forms (especially at the bottom). Care should be exercised to avoid over application. Wipe up excess material that puddles inside formed areas.

Limitations

All forms should be dry at time of application. It is not uncommon for FORM RELEASE 88™ to wash off surfaces exposed to hard rainfall, particularly if form surfaces were wet at time of form release application. Strong sunlight and/or drying winds are detrimental to release agents, especially if they are exposed to these conditions for long periods. Dilution with diesel fuel, mineral spirits, or other solvents, may lead to increased difficulty in stripping forms, an excess of concrete build-up on forms, and an increased chance of concrete staining. Improper vibration, placement techniques, sticky mixes and other influences may contribute to bug holes. FORM RELEASE 88™ may cause dusting if over-applied.

FORM RELEASE 88™ is not a tilt-up bond breaker. Do not use with black rubber forms. Black rubber forms will degrade rapidly when used with FORM RELEASE 88™. Not recommended for use as a release for patterned or stamped concrete, or for use when forms are to be removed in less than 12 hours unless heat is used to speed curing time. Lambert does not recommend usage with zinc galvanized sprayers.

Pretreatment with FORM RELEASE 88™ is necessary on many untreated wood forms and plywood surfaces because wood densities vary (particularly those of softwood species). Any projection from a form face that prevents free movement of concrete at the interface is likely to produce defects in the finish. The absence of FORM RELEASE 88™ on shiny, impermeable formwork may leave a dark discoloration in the concrete surface, conversely an excess can cause blowholes, dusting, retardation, and staining.

The conditions of use and application of FORM RELEASE 88™ and information (whether verbal or written), including any suggested recommendations are beyond our control. Therefore, it is imperative that you test our product and information to determine to your own satisfaction whether it is suitable for your intended use and application. This application or specific analysis must include testing to determine suitability from a technical as well as health, safety, and environmental standpoint.

Technical Data

Applicable Standards

Corps. of Engineers CEGS-03300, Section 10.8 Form Coating.

Properties

Color	Red
Flash Points	166°F (74.4°C) TCC
Solvents	Hydrocarbon
Dry Time	5-10 minutes
Viscosity	10 sec. #4 Ford Cup

VOC Rating

In accordance with federal regulations for form release compounds, the VOC content is less than 450 g/l (3.8#/gal.).

Coverage

Approximate Coverage on:

Hard, smooth surfaces:	1500 square feet per gallon (36.8m ² /L)
Pre-treated plywood:	1200 square feet per gallon (29.5m ² /L)
Untreated plywood:	800 square feet per gallon (19.6 m ² /L).

<u>FORM TYPE</u>	<u>ft²/gal</u>	<u>m²/L</u>
BB Ply Form	800	19.6
High Density Plywood	1200	29.5
Coated Ply Form Plastic	1500	36.8
Fiberglass	1500	36.8
Metal	1000	24.5
Paper Cardboard	650	16.0

Texture and absorption of forming material will influence coverage rate. It is important when using new wood forms of all types (plain wood, plywood, rough cut, and so on) that FORM RELEASE-88™ be applied and re-applied until complete saturation has been accomplished. Only then can proper release characteristics be obtained.

Clean-Up & First Aid

Clean-Up

Clean brushes, tools, sprayers, rollers and other equipment with mineral spirits or lacquer thinner.

First Aid

Warning

Combustible: contains diesel fuel or mineral spirits. In case of fire use CO₂, dry chemical, universal type foams or water spray/fog. Cool closed containers with water.

The skin of some people may be sensitive to the solvents used and in such cases protective gloves or creams and face protection should be worn if necessary.

First Aid

Eye Contact: Hold eyelids open and immediately flush with plenty of lukewarm water for at least 15 minutes and call a physician.

Skin Contact: Wash thoroughly with soap and water. If irritation persists, seek medical aid.

Inhalation: Remove from exposure; administer oxygen if breathing is difficult.

Ingestion: Do not induce vomiting. Small amounts of liquid aspirated into lungs may cause serious pulmonary injury.

Safety Equipment:

Solvent resistant gloves, goggles and if applied in areas of poor or inadequate ventilation, use mine safety mask and canister (Organic Vapor Canister No. 77705 GMA).

*KEEP OUT OF REACH OF CHILDREN.
FOR INDUSTRIAL USE ONLY.*