

# FORM RELEASE 77



## Product Description

FORM RELEASE 77 is a water-based, chemically-active concrete release agent that reacts with alkalis from concrete to positively prevent bonding between the poured concrete and the form being used. FORM RELEASE 77 is formulated to create a chemical reaction, resisting rain wash-off and deterioration from sun or heat, and will not stain concrete when applied properly and according to directions. FORM RELEASE 77 is designed to be used on wood-, plywood-, steel-, composition-, fiberglass-, aluminum- and treated paper forms. FORM RELEASE 77 is a concentrated product and can be used as is or diluted with clean water at up to a 1-part FORM RELEASE 77 to 7-parts water ratio. Due to the high-performance and non-staining characteristics of FORM RELEASE 77, it is highly effective when used in decorative concrete forming of all types.

## 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. Proper application is the responsibility of the user. Field visits by Lambert Corporation personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

## 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 / Placement

A thin film of FORM RELEASE 77 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 77 is usually by spray, brush, or roller. Airless spray is more satisfactory than compressed air sprays for large job applications. For small applications, an adequate hand pressurized industrial pump sprayer may be used. 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, with a thin film of FORM RELEASE 77, assuring a positive release, leaving an unstained architectural surface that minimizes surface voids and glaze. Prior to coating new plywood forms, apply one or two heavy brush coats to edges for waterproofing protection. FORM RELEASE 77 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. Care should be exercised to avoid over application. Wipe up excess material that puddles inside formed areas. See product Safety Data Sheet for further details.

## Limitations

All forms should be dry at time of application. It is not uncommon for FORM RELEASE 77 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. FORM RELEASE 77 should not be diluted with diesel fuel, mineral spirits, or other solvents, as it 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 77 may cause dusting if over-applied.

FORM RELEASE 77 is not a tilt-up bond breaker. Not recommended 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 77 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 conditions of use and application of FORM RELEASE 77 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.



### Packaging:

5-Gallons  
(18.9-Liters)  
Pail

55-Gallons  
(208.2-Liters)  
Drum

## Technical Information

Applicable Standards - Corps of Engineers CEGS-03300, Section 10.8 Form Coating

Properties		
Color	Off White	
Dry Time	Approximately 5 to 10 minutes	
Approximate Coverage Rates (see below information in "Coverage" Section)		
Hard, Smooth Surfaces	1500 ft <sup>2</sup> /gal	36.8 m <sup>2</sup> /L
Pre-Treated Plywood	1200 ft <sup>2</sup> /gal	29.5 m <sup>2</sup> /L
Untreated Plywood	800 ft <sup>2</sup> /gal	19.6 m <sup>2</sup> /L
BB Ply Form	800 ft <sup>2</sup> /gal	19.6 m <sup>2</sup> /L
High Density Plywood	1200 ft <sup>2</sup> /gal	29.5 m <sup>2</sup> /L
Coated Ply Form Plastic	1500 ft <sup>2</sup> /gal	36.8 m <sup>2</sup> /L
Fiberglass	1500 ft <sup>2</sup> /gal	36.8 m <sup>2</sup> /L
Metal	1000 ft <sup>2</sup> /gal	24.5 m <sup>2</sup> /L
Paper Cardboard	650 ft <sup>2</sup> /gal	16 m <sup>2</sup> /L

### Coverage

Texture and absorption of forming material will influence coverage rates. It is important when using new wood forms of all types that FORM RELEASE 77 be applied and re-applied until complete saturation has been achieved.

### Clean-Up

Clean brushes, tools, rollers and other equipment with mineral spirits or lacquer thinner. Refer to product Safety Data Sheet for further information.

### First Aid

Avoid contact with skin and wash exposed skin areas promptly with soap and water; seek medical attention if irritation persists. If any product gets into eyes, rinse immediately and repeatedly with water and get prompt medical attention. Avoid direct inhalation exposure. If inhalation occurs, remove to fresh air area. If any discomfort or breathing issues occur, seek immediate medical attention. Refer to product Safety Data Sheet for further information.

### VOC Content

<250 -g/L or <2.1-lbs/gal less exempt content

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