



PRODUCT TECHNICAL DATA

PRODUCT NAME – LASER FORM² RELEASE
Concrete form release agent, chemically reactive, water based, VOC compliant.

MANUFACTURER – GREENSTREAK, INC.
3400 Tree Court Industrial Blvd.
St. Louis, MO 63122 USA
Phone (800) 325-9504 or (636) 225-9400

PRODUCT DESCRIPTION

BASIC USE

LASER FORM² RELEASE is a VOC compliant, chemically reactive water base concrete form release agent. LASER FORM² RELEASE is designed for use with Greenstreak’s LASER FORM Advanced Edge Forming System to produce crisp positive release, which reduces breakage and reduces stripping and clean up time. LASER FORM² RELEASE will not stain concrete surfaces and is suitable for use in enclosed environments.

ADVANTAGES

LASER FORM² RELEASE typically provides smooth uniform surfaces with minimum voids. LASER FORM² RELEASE can be safely applied to the LASER FORM SYSTEM. Conventional petroleum or solvent-based products are not suitable for this system. LASER FORM² RELEASE is less sensitive to application rate variations as compared to other types of form release agents and it can be successfully applied to damp form surfaces. LASER FORM² RELEASE is less likely to promote skin or odor irritations than solvent based release agents and it produces substantially lower quantities of flammable or combustible vapors. Properly applied, LASER FORM² RELEASE forms a chemically reactive film that minimizes dust attraction and resists removal by rain. Upon exposure to freshly placed concrete, LASER FORM² RELEASE immediately reacts chemically to form a slippery soapy film on the form surface. This soapy film allows excess mixing water and entrapped air, upon vibration, to travel up the form surface, or into the mix on horizontal concrete to permit a bright white, uniformly colored, void free concrete finish while positively preventing concrete bonding to form surfaces.

LASER FORM² RELEASE, properly applied, will not stain resulting concrete surfaces and will not impair the natural bonding characteristics of paints, plasters, mortar, epoxies, and other concrete surface coatings to the resulting concrete, assuming adequate surface preparation.

LASER FORM² RELEASE meets or exceeds California Clean Air Act Rule 1113 for volatile organic content and other governmental air pollution, ecological and occupational worker safety legislation.

LIMITATIONS

LASER FORM² RELEASE is not intended for use where forms are stripped prior to adequate concrete cure. LASER FORM² RELEASE is not intended for storage or material application under freezing conditions. Exposure of containers to freezing temperatures can cause irreversible damages rendering product unsuitable for use. (Freezing temperatures have no affect on LASER FORM² RELEASE once applied films have dried.)
MAKE TEST APPLICATION UNDER INTENDED USE CONDITIONS AND OBJECTIVES AND BASE DECISION TO PROCEED WITH FIELD APPLICATION SOLELY ON RESULT OBTAINED.

TECHNICAL DATA

Bulk Density.....	7.85 lbs./gal. (942 g/l)
Viscosity, ASTM D88.....	32 SUS @ 100° F (38° C)
Flash Point, ASTM D92.....	165°F (74° C)
Color.....	Lime Green Emulsion
VOC, ASTM D2369.....	150 g/l
VP.....	4.0 mmHg @ 20° C
Freeze Point.....	32° F (0° C)

LASER FORM² RELEASE contains emulsified organic carboxylate compounds in a water base. It is free from conventional form oil or diesel oil. It is a lime green emulsion, sprayable at temperatures above freezing, and is DOT classified as non-flammable. LASER FORM² RELEASE does not require any red DOT flammable labeling.

INSTALLATION

SURFACE PREPARATION

Form surfaces do not have to be completely dry in order to apply LASER FORM² RELEASE. Small quantities of water on the form surface such as dew, will not affect its performance. Ambient form surface temperature must be in excess of 32° F to prevent product from freezing.

METHOD OF APPLICATION

READ CURRENT PRODUCT LITERATURE, LABELS, AND MATERIAL SAFETY DATA SHEETS (MSDS) PRIOR TO COMMENCING USE.

Mix LASER FORM² RELEASE by mechanical before each use. LASER FORM² RELEASE is ready to use and requires no dilution. Dilution with water may cause separation of the emulsion, rendering product unsuitable for use. Typical application rate is approximately 400 - 600 SF/gal. (10-50 SM/L)

Due to its chemical method of operation, LASER FORM² RELEASE should be applied in thin films to secure maximum performance and economy. While all conventional application methods may be employed, spray application is recommended using appropriate sprayer and nozzle. Care should be taken to avoid over application. Excess material, runs and puddles can affect performance. Caution should be exercised to prevent material over spray contacting reinforcing steel.

CLEANING

Application equipment and over spray can be promptly cleaned with soap and water.

MAINTENANCE

Being water based, LASER FORM² RELEASE must be protected from freezing. Exposure to temperatures below freezing will cause irreversible damage and may render the product unsuitable for use.

PACKAGING

5.0 US gal. (19L) Lined Steel Pail weighing 45 lbs. (20kg)

COST

Less than conventional form oils and release agents on an applied basis. Pricing may be obtained from the local distributor. Call Greenstreak, Inc. at (800) 325-9504 or (636) 861-2600 for your local distributor.

AVAILABILITY

LASER FORM² RELEASE is available from a network of distributors throughout North America and several international locations. Please contact Greenstreak, Inc. for distributor information.

TECHNICAL SERVICES

Greenstreak's Technical Engineering and Sales Staff is readily available to assist with any questions regarding the LASER FORM SYSTEM and LASER FORM² RELEASE. Please contact Greenstreak at the numbers below.

WARRANTY

GREENSTREAK warrants that this product will be free from defects and will perform as represented in writing, provided the application of the product and concrete construction practices used are in accordance with the manufacturer's recommendations and application and installation instructions. GREENSTREAK will refund the purchase price of any product proven defective but shall in no way be liable for indirect, consequential, special or resultant damages whether due to breach of warranty or negligence. GREENSTREAK makes no guarantee or warranty expressed or implied, including, without limitation, warranties of fitness or merchantability, with respect to this product.

NOTICE

The information presented here is believed to be correct. However, since it is provided without charge and without specific knowledge of the intended use or application of its product, GREENSTREAK assumes no obligation or liability with respect to such use or application, and makes no warranty either expressed or implied as to the application or use of such product, or to the use or infringement of any patent or other proprietary rights of GREENSTREAK or others with respect to such application or use.



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