

LASER FORM[®] RELEASE AGENT TECHNICAL DATA

LASER FORM[®] RELEASE AGENT

PRODUCT NAME – LASER FORM[®] RELEASE AGENT

Concrete form release agent, chemically reactive, water based, VOC compliant.

PRODUCT DESCRIPTION AND BASIC USE

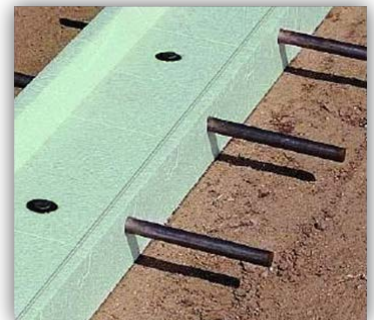
LASER FORM[®] RELEASE AGENT is a VOC compliant, chemically reactive water base concrete form release agent. LASER FORM[®] RELEASE AGENT is designed for use with SIKAs LASER FORM[®] Advanced Edge Forming System to produce crisp positive release, which reduces breakage and reduces stripping and clean up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

ADVANTAGES

- LASER FORM[®] RELEASE AGENT typically provides smooth uniform surfaces with minimum voids. LASER FORM[®] RELEASE AGENT can be safely applied to the LASER FORM[®] system. Conventional petroleum or solvent-based products are not suitable for this system. LASER FORM[®] RELEASE AGENT 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 FORM[®] RELEASE AGENT 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 FORM[®] RELEASE AGENT forms a chemically reactive film that minimizes dust attraction and resists removal by rain. Upon exposure to freshly placed concrete, LASER FORM[®] RELEASE AGENT 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 FORM[®] RELEASE AGENT, 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 FORM[®] RELEASE AGENT 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 FORM[®] RELEASE AGENT is not intended for use where forms are stripped prior to adequate concrete cure.
- LASER FORM[®] RELEASE AGENT is not intended for storage or material application under freezing conditions. Exposure of containers to freezing temperatures can cause irreversible damage, rendering product unsuitable for use. (Freezing temperatures have no affect on LASER FORM[®] RELEASE AGENT 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.



LASER FORM RELEASE AGENT

TECHNICAL DATA

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TECHNICAL DATA

Bulk Density.....8.1 lbs./gal. (0.97 kg/l)
Flash Point.....>200°F
Color.....Lime Green Emulsion
VOC, ASTM D2369.....<100 g/l
Freeze Point.....32° F (0° C)
Specific Gravity.....<1 kg/l

LASER FORM® RELEASE AGENT 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 FORM® RELEASE AGENT 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 FORM® RELEASE AGENT. 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 SAFETY DATA SHEETS (SDS) PRIOR TO USE.
- Mechanically mix LASER FORM® RELEASE AGENT before each use. LASER FORM® RELEASE AGENT 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.
- Due to its chemical method of operation, LASER FORM® RELEASE AGENT 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, and can affect performance. Caution should be exercised to prevent material overspray contacting steel reinforcement.

CLEANING

APPLICATION EQUIPMENT AND OVERSPRAY CAN BE PROMPTLY CLEANED WITH SOAP AND WATER.

MAINTENANCE

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

COST

Less than conventional form oils and release agents on an applied basis. Pricing may be obtained from a local product distributor. Call Sika (St. Louis Sales Office) at 800-325-9504 or 636-225-9400 to obtain local distributor contact information.

AVAILABILITY

LASER FORM® RELEASE AGENT is available from a network of distributors throughout North America and several international locations. Please contact Sika (St. Louis Sales Office) for distributor contact information.

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TECHNICAL SERVICES

Sika product engineers are readily available to assist with any questions regarding the LASER FORM® and LASER FORM® RELEASE AGENT.

WARRANTY

SIKA 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. SIKA 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. SIKA makes no guarantee or warranty expressed or implied, including, without limitation, warranties of fitness or merchantability, with respect to this product.



PRODUCT PACKAGING

5.0 US gallons (19L)

Plastic Pail

45 lbs. (20kg)

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