

F-100 BIO-RELEASE

BIODEGRADABLE OIL BASED RELEASE AGENT FOR CONCRETE

PRODUCT DESCRIPTION: Specco F-100 Bio-Release is a ready to use, solvent free, chemically active release agent designed for applications where solvent or petroleum oil based releases are not permitted. F-100 Bio-Release is ideal for environmental applications since it eliminates any risk of possible ground or water reservoir contamination resulting from over spray or runoff. In addition, any stripped precast, or waste concrete is hydrocarbon free and will not contaminate or jeopardize soil integrity. F-100 Bio-Release will not transfer and allows hardened concrete to accept coatings, paints, or caulks without inter-coat adhesion problems. F-100 Bio-Release will produce a smooth, void free, architectural concrete surface. F-100 Bio-Release is recommended and safe to use on steel, plywood, aluminum, fiberglass, plastic and ABS forms.

BENEFITS: V.O.C. COMPLIANT IN ALL STATES... BIODEGRADABLE ENVIRONMENTALLY SAFE COMPOSITION...SPRAYABLE IN COLD TEMPERATURES... NON-STAINING...MINIMIZES SURFACE DEFECTS AND VOIDS (BUGHOLES)...PREVENTS BUILD-UP...IDEAL FOR INDOOR OR OUTDOOR CONCRETE FORMING APPLICATIONS

COMPOSITION: Proprietary Blend of modified triglycerides (vegetable) oils. Does not require any reporting under SARA 313 (Community Right to Know).

PHYSICAL / TECHNICAL DATA	APPROXIMATE VALUES at 70° F (22° C)
V.O.C. Content:	V.O.C. free*
Weight per Gallon:	8.33 lb.
Flash Point:	>600° F
Color:	Light reddish colored liquid
Viscosity:	20-25 cps – Brookfield
Freeze Point	30°F (-1.1°C)

VOC COMPLIANCE: *F-100 Bio-Release contains no volatile organic compounds (VOC's) and meets existing form release agent VOC (VOM) regulations under the EPA's National AIM (Architectural and Industrial Maintenance) listings for all states including OTC, LADCO, CARB, and SCAQMD guidelines.

DIRECTIONS FOR USE: Form surfaces should be dry and free from any existing concrete build-up before applying F-100 Bio-Release. Specco suggest that the application is made using a conventional sprayer or by hand wiping with rollers, mops, or rags. Application rates will vary depending on the type of form and application method. For new wooden forms, the recommended application rate is 400-500 square feet per gallon, while for used or seasoned wooden forms, apply at a higher rate of 700-800 square feet per gallon. For conventional plywood forms and "Sonotube" type paper column forms, apply at 800-1000 square feet per gallon. For high density plywood forms, apply at 1200-1400 square feet per gallon. Metal forms (steel or aluminum) require a higher coverage of 1200-1500 square feet per gallon. For optimum results utilize a sprayed fogging or mist coat method to apply the release as thin as possible. Sprayers and equipment can be cleaned with light aliphatic solvents or methyl or isopropyl alcohol when application is finished.

CAUTIONS: F-100 Bio-Release is not recommended for use on urethane form liners, Styrofoam or latex rubber molds. Specco Safeform WB or F-500 are recommended for application on these mold types respectively. Do not over apply. New aluminum forms must be seasoned prior to the application of F-100 Bio-Release. Do not apply in rain or wet conditions, and protect from rain for at least one hour after application. Forms should not be removed for a minimum of 12 hours as a general rule, or until the concrete has gained sufficient surface strength. F-100 Bio-Release remains uniform and stable down to approx. 40°F (4.4°C), and may exhibit some phase separation in temperatures below this. The release should be kept from direct exposure to cold

CAUTIONS (Continued): temperatures and conditioned to a recommended 50°F (10°C) prior to application to allow ideal sprayability and performance. If F-100 Bio-Release is allowed to freeze, it should be thawed and remixed before applying to forms. F-100 Bio-Release viscosity will increase at colder temperatures, which may decrease resulting spray coverage and increase applied film thickness. F-100 Bio-Release exhibits a mild, solvent free odor that may be considered a nuisance in some enclosed environments. Specco recommends the use of our optional F-100 LV Bio-Release for either reduced viscosity requirements or reduced odor concerns. As F-100 Bio-Release is of a vegetable based origin, it is recommended to rotate all stock on a regular basis to avoid rancidity or shelf life concerns with extended storage.

WARNINGS: Avoid contact with skin and eyes. Wear protective clothing and safety glasses during application. Do not take internally. Do not use compressed air to force the material from the drum. Refer to product M.S.D.S. (Material Safety Data Sheet) for further health and safety information. FOR INDUSTRIAL USE ONLY. KEEP AWAY FROM CHILDREN. DO NOT DILUTE OR THIN.

H.M.I.S. CODES: HEALTH = 0, FLAMMABILITY= 0, REACTIVITY = 0, PERSONAL PROTECTION = C (GLOVES, GOGGLES, APRON)

SHIPPING NAME: COMPOUNDED VEGETABLE OIL -NOT REGULATED BY D.O.T.

SHIPPING CLASS: ITEM 33880, SUB 2, LTL 55

STORAGE: Ideal storage between 60° to 80° F

SHELF LIFE: 1 year properly stored--See cautions

PACKAGING: 5 gallon (18.9 L) pails, 55 gallon (208 L) drums, 265 gallon (1000 L) containers.

LIMITED WARRANTY: This product is warranted to be of merchantable quality when used according to the instruction herein. It is not warranted to be suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of the product as purchased, if found to be defective upon inspection by the manufacturer. This limited warranty is issued and accepted in lieu of all other expressed warranties and explicitly excludes liability for consequential damages. Buyer assumes all risk and liability resulting from the use of this product.

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