



# F-50 ENVIRO RELEASE CONCENTRATE

## WATER DILUTABLE RELEASE AGENT FOR CONCRETE

**PRODUCT DESCRIPTION:** *Specco F-50 Enviro Release* is a concentrated, emulsifiable base oil that can be diluted on site with potable water to produce a combination physical and chemical, V.O.C. compliant, form release agent. Once diluted, the *F-50 Enviro Release* will not transfer or stain the cast surface, which allows the hardened concrete to accept coatings, paints, or caulks without any inter-coat adhesion problems. The final concrete may be painted with latex or oil based paints or coatings without any detrimental loss of bond. This makes the *F-50 Enviro Release* an ideal choice for precast concrete panel production. *F-50 Enviro Release* is safe to use on steel, plywood, aluminum fiberglass, ABS, urethane, and plastic molds or form liners.

### BENEFITS:

- **Cost effective concentrate reduces freight & transportation costs**
- **Environmentally safe**
- **Water dilutable**
- **Non-staining**
- **Non-corrosive**
- **Odorless**
- **Minimizes surface defects and voids (bug-holes)**

**COMPOSITION:** Blend of emulsified petroleum oil, synthetic surfactants and fatty acids. Does not require reporting under SARA 313 (Community Right to Know).

**LEED RATINGS:** *F-50 Enviro Release* qualifies for the following LEED credits: **EQ credit 4.2: Low emitting materials: Paints and Coatings** (under sealer VOC requirement), as well as **MR Credit 5.1 Regional materials: 10% extracted, processed and manufactured regionally** (within 500 miles of Kankakee, Illinois 60901).

PHYSICAL / TECHNICAL DATA:	APPROXIMATE VALUES at 70° F (22° C):
V.O.C. Content:	< 50 g/L (0.41 lb./gal) (Before Dilution)
Weight per Gallon:	7.40 lb.
Flash Point:	>202° F (94°C)
Color:	Amber liquid
Viscosity:	20-30 cps – Brookfield

**VOC COMPLIANCE:** *F-50 Enviro Release* contains less than 250 g/L (2.08 lb. /gal.) volatile organic compounds. 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.

**DIRECTIONS FOR USE:** *F-50 Enviro Release* is a highly effective release agent and may be used on metal, wood and foam liners. Mix 1 part *Specco F-50 Enviro Release* to 10 parts potable water. Contents should be stirred or agitated before each use to ensure proper dispersion of the solids.

Apply the mixed *F-50 Enviro Release* emulsion to the forms sparingly by roller, broom, brush or spray. Avoid a heavy application by applying in as thin a film as possible to achieve ideal release properties. Using excessive release agent will result in pinhole formation and dusting of the new concrete surface. **Approximate coverage is 900-1100 square feet per gallon after dilution.** Allow the applied material to dry approximately one hour before pouring concrete. Protect treated surfaces from rain and condensation until dry.

**CAUTIONS:** *F-50 Enviro Release* is cold weather sensitive and must be kept from freezing. Do not apply diluted emulsion below 33° F. Cold temperatures will effect viscosity, sprayability, and dry time on form or mold substrate. For improved bond break properties on highly absorbent foam liners or molds only, use the F-50 Concentrate "as is" in an undiluted application.





Consult Specco Industries technical service for suggestions or modifications in sub-freezing applications. Keep away from unprotected food and drink. Provide adequate ventilation during use. Protect treated surfaces from traffic until the concrete is poured. Wear protective clothing and safety glasses during application. Do not use compressed air to force the material from the drum. Do not over apply.

**GHS HAZARD RATINGS: WARNING:**



**Irritant: Respiratory Tract Irritation.**

**FIRST AID: Refer to product S.D.S. (Safety Data Sheet) for complete health and safety information before using this product. FOR MEDICAL EMERGENCIES ONLY –CALL INFOTRAC AT 800-535-5053.**

**WARNINGS & SAFETY INFORMATION: F-50 Enviro Release is relatively safe to use. Keep containers closed. Avoid ingestion, skin And eye contact and inhalation of the spray mist. Keep away from food and drink. Wash hands thoroughly after use and before eating. Do not take internally. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.**

**H.M.I.S. CODES:** HEALTH = 1, FLAMMABILITY = 0, REACTIVITY = 0, PERSONAL PROTECTION = C (GLOVES, GOGGLES, APRON)

**SHIPPING NAME:** COMPOUNDED PETROLUEM OIL –Not Regulated by D.O.T.

**SHIPPING CLASS:** ITEM 33880, SUB 2, Freight Class 55

**STORAGE:** Ideal storage is between 60° F to 80° F

**PACKAGING:** 5, 55, and 265 gallon containers

**SHELF LIFE:** 1 year properly stored

**WARRANTY:** Specco Industries Inc (Specco) solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Specco, no other representations or statements made by Specco or its representatives, in writing or orally, shall alter this warranty. **SPECCO MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME.** If any Specco product fails to conform with this warranty, Specco will replace the product at no cost to Buyer. **Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages.** Specco does not authorize anyone on its behalf to make any written or oral statements which in any way alter Specco’s installation information or instructions in its product literature or on its packaging labels. **Specco explicitly excludes any written or oral statements or implied warranty on the performance of an applied/installed product manufactured or sold by or through Specco. Specco has no control over Specco application standards adherence, site conditions, atmospheric variations, installer/applicator skill level or the determination of the suitability of any Specco products for a specific intended purpose. Buyer shall be solely responsible for determining the suitability of Specco’s products for the Buyer’s intended purposes.** Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind.

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