**F-5 ENVIRO RELEASE**

**READY TO USE WATER BASED RELEASE AGENT FOR CONCRETE**

**PRODUCT DESCRIPTION:** *Specco F-5 Enviro Release* is a ready to use, water based, chemically active emulsion designed for applications where solvent based releases are not preferred or allowed. *F-5 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-5 Enviro Release* an ideal choice for precast concrete panel production. *F-5 Enviro Release* is safe to use on steel, plywood, aluminum fiberglass, ABS, urethane, and plastic molds or form liners.

**BENEFITS:**
- V.O.C. compliant in all states
- Environmentally safe
- Odorless
- Non-staining
- Minimizes surface defects and voids (bugholes)
- Prevents build-up

**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-5 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:

<table>
<thead>
<tr>
<th>Approximate Values at 70°F (22°C):</th>
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<tbody>
<tr>
<td>V.O.C. Content:</td>
</tr>
<tr>
<td>Weight per Gallon:</td>
</tr>
<tr>
<td>Flash Point:</td>
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<tr>
<td>Color:</td>
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<td>Viscosity:</td>
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**VOC COMPLIANCE:** *F-5 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:** Form surfaces should be dry and free from any existing concrete build-up before applying F-5 Enviro Release Agent. *F-5 Enviro Release* should be stirred before use to ensure proper consistency. Specco suggests that the application be 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 concrete forming tubes, apply at 900-1100 square feet per gallon. **For high density or urethane coated plywood forms, apply at 1200-1400 square feet per gallon.** Metal forms (steel or aluminum) require a higher coverage rate 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 water when application is completed.

**CAUTIONS:** *F-5 Enviro Release* is not recommended for use on latex composition molds due to potential long term degradation (softening) of the latex composition. *Specco Castor Oil Concentrate* with appropriate dilution in alcohol is recommended for any latex applications.
Refer to Specco technical service department for assistance in choosing a suitable release agent for these mold types. **F-5 Enviro Release** is cold weather sensitive and must be kept from freezing. Do not apply below 33° F. Cold temperatures will effect viscosity, sprayability, and dry time on form or mold substrate. 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. DO NOT DILUTE OR THIN.

**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:** S.J.S. 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, EMULSIFIED PETROLEUM OIL –Not Regulated by D.O.T.

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

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

**SHELF LIFE:** 1 year properly stored.

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

**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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