

## MISCELLANEOUS

Master Format #: 03 10 00



EUCLID CHEMICAL

# FORMSHIELD PURE

## PREMIUM, OIL-BASED, CHEMICALLY REACTIVE CONCRETE FORM RELEASE

### PACKAGING

- 5 gal (18.9 L) pail  
Code: THFSP05
- 55 gal (208 L) drum  
Code: THFSD55
- 275 gal (1041 L) tote  
Code: THFST275 (MTO)

### CLEAN UP

Clean tools and application equipment immediately after use with mineral spirits. Clean drips and overspray while still wet.

### SHELF LIFE

2 years in original, unopened package

### SPECIFICATIONS AND COMPLIANCES

- Corp of Engineers CE 1401.01 (17.4) & CW 03101 (5.3)
- GSA CE 204 (3-03-K)
- ACI 347
- Compliant with Federal, OTC, California, and Maricopa County regulations

### DESCRIPTION

FORMSHIELD PURE is a premium, chemically reactive concrete form release agent with exceptional performance and ease of use that is unmatched by water-based form release products. Formshield Pure has a unique crystal clear formulation containing a proprietary ingredient that provides release capability superior to traditional form oils, making it ideal for use in precast and architectural concrete applications. FORMSHIELD PURE is compliant with all VOC regulations in the U.S. and Canada. Because it is not water-based, FORMSHIELD PURE does not require protection from freezing. Forms treated with Formshield Pure can be put to use faster than those treated with water-based release products. Metal, plastic, wood, fiberglass, and composition forms strip cleanly with FORMSHIELD PURE.

### PRODUCT CHARACTERISTICS

#### FEATURES/BENEFITS

- Forms release easily and cleanly from concrete
- No staining
- Compliant with all VOC regulations, including Federal EPA, OTC, LADCO, Maricopa County, CARB, and SCAQMD
- Dramatically reduces the occurrence of voids and bugholes
- Tolerant to freezing conditions during storage and transportation
- Treated forms are ready for use quickly
- U.S. DOT non-regulated: easy storage and shipping
- Very low odor
- Helps protect metal formwork from rust

#### PRIMARY APPLICATIONS

- Preventing the adhesion of concrete to forms of all types in precast and architectural concrete applications

#### APPEARANCE

FORMSHIELD PURE is a crystal clear liquid

#### PHYSICAL PROPERTIES

VOC content: < 5 g/L  
Weight/gal: 7.26 lb/gal (0.87 kg/L)

#### COVERAGE

	ft <sup>2</sup> /gal (m <sup>2</sup> /L)
Plywood Forms	350 to 500 (8.59 to 12.27)
Wood Composition Forms	350 to 500 (8.59 to 12.27)
Plastic Forms	800 to 1,000 (19.63 to 24.54)
Rubber Forms	800 to 1,000 (19.63 to 24.54)
Metal Forms	800 to 1,000 (19.63 to 24.54)

**Note:** Coverage rates are approximate and for estimating purposes only. Surface temperature, porosity and texture will determine actual material requirements.

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## DIRECTIONS FOR USE

**Surface Preparation:** The form surface must be free from dirt, cement paste, hardened concrete and other residue that could transfer to the finished concrete surface. Before coating plywood forms, apply a heavy brush coat to the plywood edges to protect laminations.

**Application:** In cold weather or if FORMSHIELD PURE has been stored in a cold location, gently stir the product before using. FORMSHIELD PURE can be applied by brush, spray or roller. Apply in a continuous film, avoiding excessive buildup, runs and puddles. Forms treated with FORMSHIELD PURE will be ready to use within one hour on plywood and 2 to 3 hours on metal, plastic, and fiberglass forms. Used forms can be re-coated with FORMSHIELD PURE if proper surface preparation techniques are followed.

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## PRECAUTIONS/LIMITATIONS

- Do not thin or dilute FORMSHIELD PURE.
- The viscosity of FORMSHIELD PURE increases at low temperatures, resulting in reduced sprayability.
- In all cases, consult the Safety Data Sheet before use.

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