



FORMSHIELD WB

ECONOMICAL, WATER-BASED CONCRETE FORM RELEASE

EUCLID CHEMICAL

PACKAGING

5 gal (18.9 L) pail
Code: THFSWBP05
55 gal (208 L) drum
Code: THFSWBD55

CLEAN UP

Clean tools or equipment with water and soap/detergent immediately following use. Clean drips and overspray while still wet. Dried FORMSHIELD WB becomes very difficult to remove.

SHELF LIFE

1 year in original, unopened package

SPECIFICATIONS AND COMPLIANCES

- Corps of Engineers Specifications CE-1401.01
- Corps of Engineers Specifications CW-03101

DESCRIPTION

FORMSHIELD WB is a low cost, highly effective release agent for metal, plastic, wood and composition forms. It is a blend of natural organic chemicals which impart a waterproof film to prevent adhesion of concrete to the forms and provide for quick and easy release. FORMSHIELD WB is supplied ready to use as a thin, milky white colored liquid.

PRODUCT CHARACTERISTICS

FEATURES/BENEFITS

- Reduces labor and construction time
- Lowers costs
- Allows the forms to be re-used
- Minimizes clean-up and maintenance
- Can be used on metal or plastic forms and on previously oiled or untreated wood forms
- Excellent release properties
- Reduces transfer of wood grain markings
- Helps protect metal formwork from rust

PRIMARY APPLICATIONS

- Water-based formulation can be applied to forms of all types for easy removal from freshly placed concrete.

APPEARANCE

FORMSHIELD WB is a milky white liquid

PHYSICAL PROPERTIES

VOC content: < 89 g/L

Weight/gal: 8.3 lb/gal (0.994 kg/L)

COVERAGE

	ft ² /gal (m ² /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)
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.

DIRECTIONS FOR USE

Surface Preparation: Forms must be free from dirt, hardened concrete, and other extraneous matter. Before coating plywood panel surfaces, apply one, preferably two, heavy brush coats to the edges to protect laminations.

Mixing: Mix FORMSHIELD WB prior to use to ensure that settling has not occurred.

Application: FORMSHIELD WB is applied by brush, spray, or roller to metal, plastic, or plywood forms. One or two heavy brushcoats should be applied to the edges of plywood forms to protect the laminations.

The surface of forms should receive one light, uniform coat. Avoid excessive build-up and runs or puddles since an excess of coating may retard the concrete. For proper performance, always make sure brush is fully saturated with FORMSHIELD WB. Attempts to “stretch or skinny” FORMSHIELD WB will result in sub-standard performance of product. FORMSHIELD WB should be applied evenly over the panel. One full coat provides proper protection. FORMSHIELD WB will set and be ready to use within one hour on plywood; 2 hours on metal and plastic forms.

PRECAUTIONS/LIMITATIONS

- Store in a dry, ventilated, 40 to 90 °F (4 to 32 °C) area. Protect from freezing.
- Do not thin or dilute FORMSHIELD WB.
- Do not apply in rain, and protect from rain for at least 1 hour after application.
- Do not apply FORMSHIELD WB when temperature is below freezing.
- FORMSHIELD WB is not recommended when concrete is to be steamcured, or for tilt up work.
- In all cases, consult the Safety Data Sheet before use.

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