



# FORMSHIELD WB

## RELEASE AGENT FOR CONCRETE FORMS

### 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, White Emulsion colored liquid of low viscosity.

### PRIMARY APPLICATIONS

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

### 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

### TECHNICAL INFORMATION

Material properties tested under laboratory conditions @ 27°C, 50% RH.

PROPERTIES	VALUE
Appearance	Milky white liquid
VOC	99 g/L
Specific Gravity	0.994

### PACKAGING

FORMSHIELD WB is packaged in 20 L HDPE pails and 200L HDPE drums.

### SHELF LIFE

12 months in original, unopened container

### SPECIFICATIONS/COMPLIANCES

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

### COVERAGE

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

FORM SUBSTRATES	m <sup>2</sup> /L
Plywood forms	8.59 to 12.27
Wood composition forms	8.59 to 12.27
Plastic forms	9.63 to 24.54
Metal forms	9.6 to 24.54

## 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.

## 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.

## PRECAUTIONS/LIMITATIONS

- Store in a dry, ventilated, 4°C 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 steam cured, or for tilt up work.
- In all cases, refer the Safety Data Sheet before use.