



FORMSHIELD WB CONCENTRATE

RELEASE AGENT FOR CONCRETE FORMS

DESCRIPTION

FORMSHIELD WB CONCENTRATE 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 CONCENTRATE is supplied as a concentrated liquid to be diluted with water before use.

PRIMARY APPLICATIONS

FORMSHIELD WB CONCENTRATE is used to provide quick, clean release of forms minimizing preparation for reuse. FORMSHIELD WB CONCENTRATE lengthens the life of wood forms by preventing the penetration of water and consequent deterioration of the plywood. FORMSHIELD WB CONCENTRATE lengthens the life of the steel forms by preventing corrosion. Hand rubbing, required for most architectural concrete, is greatly reduced by the smoother, denser concrete surface which results from use of FORMSHIELD WB CONCENTRATE. FORMSHIELD WB CONCENTRATE also minimizes finishing time by preventing stains, streaks, and reduces the transfer of grain markings to the concrete surface.

FEATURES/BENEFITS

- Reduces labor and construction time
- Economical concentrated solution
- 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	Clear brown colour liquid
Specific Gravity	0.92 – 0.94
Viscosity (B4 Ford Cup)	20 sec
Flash Point	>140°C
pH	Neutral

PACKAGING

FORMSHIELD WB CONCENTRATE is packaged in 20 L HDPE pails and 210 L HDPE drums.

SHELF LIFE & STORAGE

12 months in original, unopened container. Keep away from heat, sparks and flames.

COVERAGE

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

FORM SUBSTRATES	m ² /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.

Dilution : 5 - 6 parts water to one part FORMSHIELD WB CONCENTRATE (by volume).

Mixing Procedure: Using a variable speed propeller mixer, slowly add the required amount of water to the FORMSHIELD WB CONCENTRATE while gently mixing under slow speed until the product is uniform in appearance. Do not mix at a fast speed, as this will cause foaming.

Application: FORMSHIELD WB CONCENTRATE 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 CONCENTRATE. Attempts to "stretch or skinny" FORMSHIELD WB CONCENTRATE will result in sub-standard performance of product. FORMSHIELD WB CONCENTRATE should be applied evenly over the panel. One full coat provides proper protection. FORMSHIELD WB CONCENTRATE 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 CONCENTRATE becomes very difficult to remove.

PRECAUTIONS/LIMITATIONS

- Store in a dry, well-ventilated area. Protect from freezing.
- Do not apply in rain, and protect from rain for at least 1 hour after application.
- Do not apply FORMSHIELD WB CONCENTRATE when temperature is below freezing.
- FORMSHIELD WB CONCENTRATE 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.