

Technical Data Sheet



W V C O

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Partnering through service,
innovation, and integrity

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Wil-Crete Plus

Premium Concrete Form Release Concentrate

DESCRIPTION

Wil-Crete Plus is a general purpose concentrate form release compound consisting of a highly refined group of ingredients in a solution of non-staining petroleum hydrocarbon. The active ingredients of Wil-Crete Plus react with the excess lime present in fresh concrete to produce a positive release action on the form preventing it from sticking to the concrete. Form release is easily accomplished without the use of prying equipment or force that might damage the forms. The resulting concrete is stain free and residue free. Wil-Crete Plus is formulated to dilute with water, light oils, kerosene or #2 diesel fuel.

WHERE TO USE

- Wood, Steel, Plastic and Plywood Forms Prior to Casting
- Concrete Contractors Coating Form Boards

FEATURES AND BENEFITS

- Good Coverage Rate – spray, brush or roller
- Extends the Life of Wood Forms
- Minimizes Surface Voids - No Residue on Concrete
- Does Not Retard Setting of Concrete Forms
- Inhibits Rust on Steel Forms
- VOC Compliant
- Compatible with Most Waterproofing Membranes

PACKAGING

5-gallon (18.9 L) pails
Drums 55 gallons (208 L)
Totes 275 gallons (1040.9 L)

SHELF LIFE

6 to 9 months when properly stored.

STORAGE

Store in a clean, dry, shaded or covered environment above 45°F (7.2°C). PROTECT FROM FREEZING

TECHNICAL INFORMATION

TYPICAL PROPERTIES

pH	8.5
VOC Complies with USA and Federal AIM VOC standards – as supplied	< 250g/L
Viscosity, cps, ASTM D 4878 (spindle 1 at 20rpm)	186
Weight / Gallon lbs./gallon (Kg / L)	7.2 (0.86)
Coverage, sq. ft. / U.S. gallon	400-2000 (9.8-49)
Color	Clear amber fluid / milky when diluted with water

APPLICATION

Use on forms made with wood, steel, plastic and plywood.

1. Surface Preparation – Forms should be clean, dry and free from contaminants. Any concrete scaling or rust on steel forms should be removed prior to applying Wil-Crete Plus.
2. Mixing – Dilute Wil-Crete Plus in proportion of one part concentrate to seven parts of diluents, including water, light oils, kerosene, or #2 diesel fuel. Mix prior to use on each application.
3. Pretest – Due to wide variations of conditions at the site which may have detrimental effects on the performance of the product, the installer should perform full scale tests in advance of using the product. A full scale site test is mandatory.
4. Apply diluted Wil-Crete Plus by brush, roller and hand or power sprayer. Sprayer should be set to 25-30 psi. Use a fan-type nozzle. If the initial application of diluted Wil-Crete Plus is absorbed into new wood forms, a second application may be required. Soak wooden dip-form staves overnight. On all other applications, a thin coat should be applied before each pour for superior performance
5. Precaution – Diluting with highly volatile substances may result in exceeding US Federal, or State VOC regulations. Consult with a Willamette Valley Company representative prior to use.

CLEAN-UP

Clean equipment with soap and warm water. If the reagent has dried, hot water, detergent and scrubbing will be required.

LIMITATIONS

Do not over apply
Do not use as a bond breaker for tilt up construction
If diluted with water keep material above 32° F to prevent freezing
Do not use to coat latex molds
Do not use to coat polystyrene-foam molds or allow diluted Wil-Crete Plus to come in contact with polystyrene foam
Do not use on plaster molds unless coated with suitable sealer
Colder temperatures will increase viscosity.

Precaution - Diluting with highly volatile substances may result in exceeding US, Federal or State VOC regulations. Consult with your Willamette Valley Company representative prior to use.

HEALTH AND SAFETY

Willamette Before handling, you should become familiar with the Material Safety Data Sheet (MSDS) regarding the risks and safe use of this product. To obtain an MSDS please call 800 333 9826 or send an email to: msds@wilvaco.com.

CONTACT INFORMATION

Please see the side bar on the front page for the Division nearest to your location.

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