



innovative chemical technologies, inc.

FLEXIPEL CR-515

TECHNICAL DATA SHEET

- ◆ **Concrete Form Release Agent**
- ◆ **Water Based Concentrate Dilutable in Water**
- ◆ **Durable and Effective on Steel, Wood, Aluminum, Concrete, and Paperboard Forms**
- ◆ **Environmentally Friendly**
- ◆ **Very Low VOC**
- ◆ **Will Not Stain or Discolor Concrete**
- ◆ **Will Not Affect the Paintability of the Formed Article**
- ◆ **Non-flammable**
- ◆ **Mild Odor**
- ◆ **Freeze/Thaw Stable**
- ◆ **Effectively Treats Hard-To-Wet Substrates Including Aluminum**

APPLICATIONS

- ◆ **Concrete Form Release Agent**
- ◆ **Concrete Tilt-Up Walls**
- ◆ **Concrete Mixing and Process Equipment**

Technical Information

Flexipel CR-515 Concrete Form Release Agent is a stable, highly dilutable aqueous solution that provides a durable release coating on many types of materials of construction, including hard-to-wet materials. The active ingredient forms a covalent bond to the substrate surface then crosslinks thus rendering it highly durable and effective. Once treated, concrete forms may be reused repeatedly before reapplication of the release agent is necessary. Tools and mixing equipment may be treated to make them easy to clean.

DIRECTIONS FOR USE

Dilution... Typically, 1 part Flexipel CR-515 is diluted with between 5 and 12 parts of water, depending on applied surface and desired results. Adjust dilution level of CR-515 based on cost/performance properties required. A 1:9 dilution ratio is a good starting point.

Surface Preparation... Clean form surfaces thoroughly prior to application. Remove all rust, scale and/or previously used form release agents from the forms in accordance with good concrete practices.

Method of Application... Spraying is the ideal method of application or Flexisperse CR-515 may also be applied by roller coating, mopping or brushing. A thin film should be applied for maximum economy and efficiency. Runs or puddles should to be brushed out. Dries to touch in 30-120 minutes and achieves maximum repellency in 6-12 hours, depending on application rates and conditions. For best results, dry overnight before use.

Always use adequate ventilation and proper safety practices with spray application.

Clean-up... Clean application equipment with soap and water.

Coverage... 500-1800 sq. ft./gal. (12-44 sq. m/L), depending on the application technique and the type and porosity of the form surface.

PERFORMANCE DEMONSTRATION



This photo shows concrete cured over a steel test plate. The steel plate was treated with a solution of 1 part Flexipel CR-515 and 9 parts of water. This is the fourth concrete sample to be removed after only the initial application of release agent. Between each sample removal the plate was rinsed with water and allowed to dry, but no additional form release agent was applied.

TYPICAL PROPERTIES

Appearance	Clear to slightly hazy, colorless to pale yellow liquid
Density at 25°C	1.00 +/- 0.02 g/mL
pH	4 -7
Odor	Mild
Water Solubility	Soluble
Boiling Point	Approx. 100 °C
VOC	< 7 g/l

PACKAGING/HANDLING

Available in 275 gallon (net 2250 lbs) tote tanks, 55 gallon (net 450 lbs) drums and 5 gallon (net 40 lbs) plastic pails.
See MSDS for more information