

## LubriForm® V

### Concrete Form Release Agent

LubriForm V is produced based on petroleum solvents and is a mixture of plant and petroleum oil that are dispersed in a hydrocarbon solvent. This product is used to facilitate separating the body of the form from the concrete surface. This product facilitates this by two different mechanisms:

- 1- Physical: the petroleum oils develop an obstacle between the body of the form and the concrete surface and facilitate the separation of the form from the surface of the concrete.
- 2- Chemical: this product reacts with concrete on the surface of the form and produces soap ingredients by which the separation of the forms is facilitated.

The difference between LubriForm V with LubriForm O is that the V type has a higher viscosity. To apply the form release agent with a non-spray method this, form release is better since it dissipates lower energy.

LubriForm V is produced based on the physical and chemical properties of the following table.

Physical State	Diluter
Color	Light Brown
Chemical base	Mineral and Organic
Density	0/83 ± 0/02 g/cm3
Freezing temperature	-30°C

### The usage and effect of concrete from the release agent

#### The usage of the concrete form release agent

- Usable for the surfaces of different types of steel forms
- Usable for the surface of different types of plastic and fiberglass forms
- Usable for the surface of different types of plywood

#### The advantages of using the form release agent

- Facilitating the separation of form from the concrete
- Forming a clean surface without the honeycomb
- Improving the durability of the surface of the concrete
- Increasing the lifetime of the concrete forms
- Minimizing the time of cleaning and re-preparing the used forms
- preventing the corrosion of the steel forms

#### The instruction to use the form release agent

#### The allowable range for using the form release agent

The allowable range for using the LubriForm V is approximately 1 liter per 10 to 20 m<sup>2</sup> of the form.

#### The instruction to use the form release agent

It is necessary to clean the forms, brand new or used, from dust, crushed concrete, and the left oil before preparing them. Clean forms enhance the effectiveness of the release agent and highlight the aforementioned properties. It is recommended to use the Betonyse of Capco to wash the forms off the left concrete. Cover the surface of the form with LubriForm V after cleaning with suitable methods. Using the painting brush, sponge and spraying is recommended; however, spraying will have better results. The coverage must be as thin as possible and a thick coverage can reduce the durability of the final surface as well as being uneconomical. The surface of the form must be cleaned once the form is opened.

## **Safety tips while using the form release agent**

This product is flammable and considerations must be taken into account for storing and the time of using this product so that the product is not adjacent to a direct flame and spark.

This product can be allergic to contact with the skin. Therefore, it is necessary to use a suitable gown, goggles, and mask while working and take the following tips into consideration:

- Blink in water for at least 15 minutes in case of eye contact
- Wash your skin with clean water for 15 minutes in case of any contact with the skin
- The contaminated clothes must be washed with suitable detergents to be usable for further work.
- It is necessary to visit a doctor if the injured individual still feels uncomfortable
- This product is flammable and must not light a fire in its surrounding area.
- Avoid smoking or welding operations near the implementation area.

## **Transportation and storage of the release agent**

### **The conditions and maintenance temperature of transportation**

The allowable transportation and maintenance temperature of this product is between 5 and 25 °C. It is also necessary to consider the following tips:

- Avoid putting the container having the admixture in direct exposure to sunlight.
- With respect to the flammability property, this product must be away as far as possible from the energy sources, flames, and sparks from devices.

### **The admixture lifetime**

If the containers of this product are conserved and stored in a standard condition, they will be usable for 12 months.

### **The packaging of the form release agent**

This product is supplied in 20 Kg gallons and 210-liter barrels.

### **Complementary information**

Contact the technical section of Capco Company for complementary information.