

# DBC<sup>®</sup>-805

## Bladder Coating



### 1. Description

DBC<sup>®</sup>-805 Bladder Coating Agent is a semi-permanent tire bladder coating agent, which is durable, silicone-based release coating designed for butyl rubber bladders typically used in tire curing presses. It is white aqueous emulsion that cures to clear and glossy coating which offers Superior lubricity. The product provides an excellent slippage of the bladder into the green tire and a very good release effect after the cure. Low consumption and a short drying time make the product very economical.

### 2. Features:

DBC<sup>®</sup>-805 performs well on varieties of tire, range from bias/radial OTR & TBR tires to the low-profile, high-performance PCR radials.  
Easy to apply & Excellent Lubricity  
Effective through multiple curing cycles  
High temperature resistance no thermal degradation

### 3. Properties

Appearance	White , Milky Liquid
Density, lbs/gal; kg/l	0.9-1.2
Solids, %	16%-20%
Viscosity, cPs	12,000-19000cps (Brookfield #2,3 rpm)
PH Value	6.5-8.0
Storage Stability, unopened container	6 mos.

### 4. Application

DBC<sup>®</sup>-805 is a “ready to use” product and does not require further dilution. Its applied to the bladder using a light spray or brush (swab). Please ensure that the exposed surface is fully covered.

It is recommended to wipe new bladders with an appropriate solvent in order to remove traces of migrated process oils from the surface. For start-up, it is usually not necessary to apply a first coating directly to the cleaned bladder. It is sufficient to spray the inside of the first one or two green tires either by atomizing air or an airless system. The release coating is transferred to the bladder surface during the vulcanization process. In this way contamination of mold and press can be avoided.

Spray lines should be cleaned with similar solvents. Usually, the release film needs to be renewed at every 15th green tires. The equipment can be cleaned after work with water. Any sticky polymer residues can be easily removed with benzene or toluene.

### 5. Storage

Store DBC<sup>®</sup>-805 in a ventilated area away from potential sources of ignition. Up to Six months when stored in fresh, indoor and covered places and kept dry in the original sealed containers. The Storage temperature range is +5°C to +25°C. Avoid product also from cold and freezing.

### 6. Handling

We believe DBC<sup>®</sup>-805 has a low degree of hazard when used as intended. For more information, request a copy of Material Safety Data Sheet.

1. Keep container closed at all times when not in use.
2. Bladder must be thoroughly cleaned and dried before application.
3. Bladder coating should be clear with no noticeable precipitate. If cloudy or milky, material is contaminated.
4. Area of application must be well ventilated.
5. If partial containers are left exposed to atmospheric moisture, product may become thicker, and potentially solidify.



### 7. Packaging

25 kg jerry cans on 200 kg pallet  
50 kg plastic drums on 300 kg pallet  
950 kg IBC

While the technical information and suggestions for use contained herein are believed to be accurate and reliable, nothing stated in this bulletin is to be taken as a warranty either expressed or implied.