

DKW-4191

Water base Multi release (Semi Permanent) Inner Lube

DiamondKote W-4191 is an experimental product that is designed as a durable, water-based, unfilled inside green tire paint. This formula provides for excellent lubricity between the bladder and the green tire when applied correctly resulting in excellent release, air bleed, tire uniformity and potentially improved bladder life.

DiamondKote W-4191 performs well on a variety of tire types/designs and curing presses and it complies to REACH regulations. It works as bladder lube and can be used as bladder pretreatment to seal and lubricate the surface of the new bladder.

PACKAGING, HANDLING, AND STORAGE CONDITIONS

- Available in 15 L & 150 L
- Containers should be kept closed prior to and during use to avoid external contamination. Store below 130°F(54°C) and above 32°F(0°C). Keep product from freezing.
- Store in original containers, in a ventilated area away from potential sources of ignition as small amounts of hydrogen gas can evolve.
- Containers will not be fully filled and have vented caps
- For safety precautions consult MSDS.

APPLICATION INSTRUCTIONS

- **DiamondKote W-4191** should be thoroughly mixed prior to use.
- **DiamondKote W-4191** is designed for application on the inside of an uncured tire. The film transfers to the curing bladder resulting multiple releases of several subsequent uncured tires.
- **DiamondKote W-4191** can be used for bladder lube application.
- **DiamondKote W-4191** can be applied at ambient temperatures up to 45°C at a coating weight suitable for the specific molding process. It can be applied by spray gun, sponge, or brush and will dry in 10-15 minutes depending on coating weight and ambient conditions.
- The components of application equipment that come into contact with **DiamondKote W-4191** should be constructed of stainless steel or plastic to prevent unwanted reaction.

PROPERTIES

| | |
|---|-----------------------------|
| Physical State | White Viscous Liquid |
| Odor | Slight chemical |
| pH | 4.5 – 7.5 |
| Specific Gravity | 0.95-1.05 g/cm ³ |
| Water Solubility | Fully Miscible |
| Shelf Life | 6 months |
| Viscosity (Brookfield LVT Spindle 2 @ 12 RPM @ 25°C/77°F) | 1230-2030 cps |