

FRANKLYNN

TDS (Last update 11 11 15)

Seals/Gaskets/O-Rings

FRANKLYNN

DiamondKote

W-4084

DESCRIPTION:

DiamondKote W-4084 is a water-based, semi-permanent mold release agent designed for use in the molding of various peroxide cured elastomers such as EPDM, FKM, and silicone. It is especially effective in the molding of elastomeric seals and gaskets and promotes good rubber flow while minimizing transfer and helping to keep molds clean.

DiamondKote W-4084 is sold as a ready to use material and does not need to be diluted prior to use.

PACKAGING, HANDLING, AND STORAGE CONDITIONS:

Available in 19 liter pails and 207 liter drums.

Containers should be kept closed prior to and during use to avoid external contamination. Store below 40°C and above 0°C. Keep product from freezing.

Storage in steel, galvanized steel or black iron will degrade the active ingredients of this product. For safety precautions consult MSDS.

PHYSICAL PROPERTIES:

Appearance	Translucent liquid
pH	8,0
Viscosity	Water Thin
Odor	None
Specific Gravity	1,00 g/CM ³
Water Solubility:	Fully Miscible
Shelf Life	12 months

APPLICATION INSTRUCTIONS:

For best results the surface of the mold must be cleaned prior to application of **DiamondKote W-4084**. Typical cleaning methods would be media/dry ice blasting or treatment with alkaline detergent followed by neutralization and rinsing with water.

Base Coat:

For best results, the tool should be above 80°C when applying **DiamondKote** mold release agents. For spray application, utilize an air atomizing spray gun or an airless spray gun which produces a finely atomized spray particle. Apply 4 or 5 light coats, varying the direction of each to ensure total tool coverage and sealing. Allow each pass to dry completely prior to application of the next coat.

Touch-up:

Use the same application equipment used for base-coating. Typically a single pass application of the un-diluted material prior to failure of the basecoat proves to be effective.