



DiamondKote™

FOR SEALS/GASKETS

DKW-4013A

A water-based, silicone free semi-permanent mold release agent designed for application to metallic molds under harsh/high heat conditions for the molding of silicone elastomers. DiamondKote W-4013A promotes good rubber flow and excellent release ease without significant transfer. Typical applications include the molding of seals, o-rings, gaskets. DiamondKote W-4013A can also be effective on a variety of peroxide cured elastomers including EPDM, FKM, and HNBR.

FEATURES

- Excellent release of silicone elastomer
- Minimizes part defects
- Very low transfer to part
- High rubber flow
- Silicone free



EASE OF
RELEASE



INCREASE
MOLD CYCLES



REDUCED
DOWNTIME



HIGHER YIELD



LOWER
DEFECT RATE

APPLICATION INSTRUCTIONS

For best results the surface of the mold must be cleaned prior to application of DiamondKote™ DKW-4013A. 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 100°C (180°C recommended) 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.

1. Thoroughly apply 1st coat, varying the direction of each pass to ensure total tool coverage and sealing. Allow to cure 1:00 min.
2. Repeat step 1 for each additional coat (3 - 4 coats recommended).
3. After the last pass, allow the mold to bake for 5-10 minutes to fully cure and adhere the base coat.
4. Test run to assure mold is clean and assure no transfer of product

Touch-up: Use the same application equipment used for base-coating. A single pass application of the un-diluted material prior to failure of the base coat typically proves to be effective.

PACKAGING DETAILS

Part #	Net Contents	Container Type	Color	Shelf Life
DKW-4013A-02	5 gal	pail	Translucent Blue	10 Months
DKW-4013A-03	55 gal	drum		



BEST RESULTS ON THESE MATERIALS

EPDM	FKM	HNBR
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CONTACT YOUR ITW PRO BRANDS REPRESENTATIVE TO SCHEDULE A DEMO/TEST RUN

800.241.8334 | www.itwprobrands.com/brand/diamond-kote

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SCAN FOR
SDS REQUEST





DiamondKote™

***FORMULATED TO ENSURE SMOOTH RELEASE
OF FINISHED PARTS, REDUCING SCRAP AND
OPTIMIZING OVERALL PRODUCTION EFFICIENCY***

