

Preliminary Data Sheet

K-FLEX[®] XM-386

Polyurethane Diol



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K-FLEX XM-386 is a solvent free, water soluble, hydroxyl functional, aliphatic, saturated urethane diol, for use in waterborne industrial coatings. It is recommended as a reactive modifier for amino crosslinked waterborne coatings based on polyester, acrylic, alkyd, and urethane resins. K-FLEX XM-386 is also recommended as a replacement for co-solvent in low VOC formulations, and it is compatible with most waterborne dispersions, emulsions and solutions.

APPLICATIONS:

- Automotive coatings
- Primers
- Appliance
- Coil
- Can
- Overprint varnishes
- Wood coatings

ADVANTAGES:

- Lower VOC
- Increased hardness
- Improved adhesion, flow and leveling
- Exterior durability
- Reduced popping and blistering during cure
- No co-solvent required
- Water soluble in absence of amine, cosolvent or surfactant

TYPICAL PROPERTIES:	Appearance	Viscous liquid
	Active content, wt. %	100
	Diluent	None
	Viscosity, cP, 25° C	78,000
	Hydroxyl number (on solids)	390
	Specific Gravity, 25°C	1.16
	Gardner color	3

RECOMMENDED LEVELS : Typically 2-10% K-FLEX XM-386 modification on total resin solids is recommended.

SHELF LIFE: 24 months from the date of manufacture when stored at room temperature in the original container

SOLUBILITY: Soluble in water and in all water miscible organic solvents. It is not soluble in aliphatic and aromatic hydrocarbons.

HANDLING & STORAGE: K-FLEX XM-386 should be stored in a cool dry location at temperatures of 15-35°C. For additional information, refer to the Material Safety Data Sheet. For easier handling, heat product to 50-60°C for up to 8 hours.

REGULATORY: Please refer to Section 15 of the Material Safety Data Sheet for information.