

K-FLEX XM-3307 is a carboxyl and hydroxyl functional polyester-urethane polyol. It has been designed as a dispersing resin for organic and inorganic pigments. It requires neutralization with an amine to give good dispersing properties.

**ADVANTAGES:** Fast dispersion time  
High transparency of pigments  
High pigment loading  
For water and solvent-borne coatings

<b>TYPICAL PROPERTIES:</b>	Appearance	Viscous Liquid
	Nonvolatile, %	>80
	Solvent	Xylene
	Hydroxyl number*	28
	Acid number*	45
	Equivalent weight (carboxyl and hydroxyl)*	480 g/eq.
	Viscosity, cPs, 25°C	7000
	Flash Point, °F	81
	Urethane content, mol/1000	1.5
	Molecular weight, approx.	1500
	* As supplied	

<b>SOLUBILITY:</b>	Alcohol, ester, ketone	Soluble
	Aromatic hydrocarbon	Soluble
	Water after neutralization with organic amine	Soluble or dispersible
	Aliphatic hydrocarbon	Not soluble

**APPLICATION:** Dispersant for organic pigments  
Dispersant for inorganic pigments  
Intercoat adhesion promoter

**HANDLING:** Neutralize resin with an organic amine to achieve dispersion properties. About 9% of dimethylethanolamine or 5.5% of NH<sub>4</sub> OH (30%) based on the resin are required to achieve water dispersibility.

**HANDLING & STORAGE:** Store at ambient temperatures in a dry location. Haze may develop upon prolonged storage or temps: 0-5°C. Warming to 40-50°C will restore clarity.

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