

Preliminary  
**K-FLEX<sup>®</sup> XM-B301**  
Reactive Diluent



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K-FLEX XM-B301 is a low viscosity, acetoacetate functional reactive diluent with excellent compatibility with a wide range of resins. It is recommended for use in epoxy/polyamide primers, but can also be used in systems crosslinked with amino resins or polyisocyanates.

**APPLICATIONS:** Epoxy-polyamide Primers for:  
Industrial Maintenance  
Marine  
Aerospace  
Automotive  
Truck/Bus/Rail  
Agricultural/Construction Equipment

**ADVANTAGES:** Reduce induction time of epoxy-polyamide coatings  
Excellent adhesion and improved corrosion resistance  
Excellent compatibility with acrylic, polyester, epoxy resins  
VOC and viscosity reduction  
Elimination of solvent popping and pinholes  
Effective crosslinking with a variety of resins

<b>TYPICAL PROPERTIES:</b>	Appearance	Clear, amber liquid
	% Nonvolatile, 1 Hr @ 110° C	97
	Solvent	None
	Viscosity, cps, 25° C	1100
	Acetoacetate equivalent weight, g/eq	220
	Flash Point, °F	>200
	Specific gravity, g/ml	1.14

<b>SOLUBILITY:</b>	Alcohols, esters, ketones	Soluble
	Aromatic hydrocarbons	Soluble
	Aliphatic hydrocarbons	Not Soluble
	Water	Not Soluble

**TYPICAL USAGE LEVELS:** 1-10% of total resin solids.

**HANDLING & STORAGE:** Refer to MSDS for complete handling instructions.

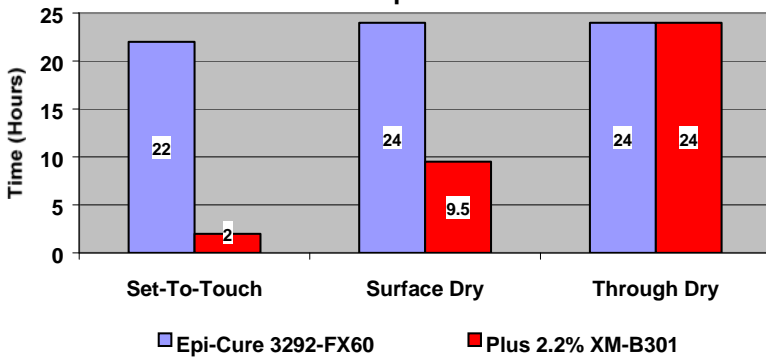
**REGULATORY:** Please refer to Section 15 of the Material Safety Data Sheet for information.

## New Acetoacetate Modifier Resin, K-FLEX XM-B301

### 2K SB Epoxy System Modification Benefits for Coating Primers, Adhesives, Sealants, Potting Compounds & Encapsulants:

- Reduced induction time without blushing problems (epoxy/polyamide)
- Faster low temperature (5°C) cure (epoxy/amine)
- Faster surface dry time/Improved flexibility
- Improved salt spray/humidity resistance
- Does not hurt film stability/performance like other technologies
- Innocuous unlike benzyl alcohol and trimethylol propane triacrylate (TMPTA)
- Low levels required (1.4-3.1% on formulation)
- Crosslinks into film, not just a plasticizer

#### Lower Temperature Cure SB System (5°C): Araldite GY-6010/Epi-Cure 3292-FX60



#### Improved Salt Fog Resistance (500 hrs) Epon 828 + Monomers/Epi-Cure 3251 Solventless Formulation EAP-2



Control



3 % K-FLEX XM-B301  
On Total Formulation

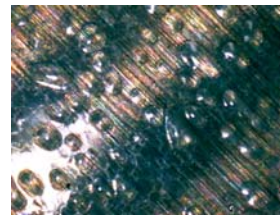
#### 2,000 Hours Cleveland Humidity Exposure Epon 828 + Monomers/Epi-Cure 3251 Clearcoat



Control



3% K-FLEX XM-B301 on  
Total Formulation



3% TMPTA  
on Total Formulation

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