

K-FLEX®

Acetoacetate Resin Modifiers

High Performance Modifiers For 2K Epoxy Coatings



Formulating High Solids Coatings

K-FLEX XM-B301 and **7301** are 100% active, low viscosity, acetoacetate functional resin modifiers with excellent compatibility in a wide range of resins. They can be used in solvent based and solventless systems and are primarily recommended for use in 2-component epoxy coatings and adhesives.

Modification of 2K epoxy systems with K-FLEX acetoacetate resin modifiers results in higher performance with reduced induction time, faster cure at low temperature (5°C), improved adhesion, salt spray and humidity resistance among other benefits discussed in this flyer.

 Reduced Induction Time

 Eliminates Amine Blushing

 Faster Surface Dry

K-FLEX

Product	% Active	Eq. Weight	Visc. 25°C (Cp)	Attributes / Uses
XM-B301	100%	220	1,100	Excellent performance in epoxy-polyamide primers. Excellent resin compatibility.
7301	100%	125	150	For high solids and waterborne applications to improve adhesion and corrosion resistance.

K-FLEX® XM-B301 - Performance in Epoxy Polyamide Coatings

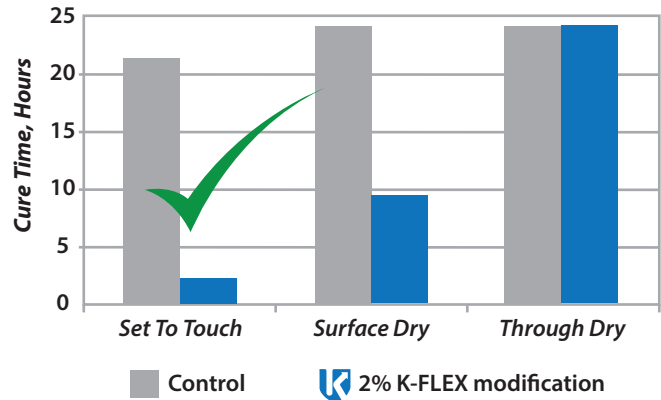
XM-B301 is a low viscosity, acetoacetate functional reactive resin modifier offering excellent compatibility with a wide range of resins.

It is primarily recommended for use in 2K epoxy primers, but can also be used in systems with amino resins or polyisocyanates. Benefits include:

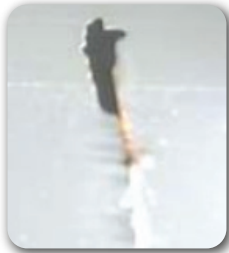
- ✔ Reduced induction time
- ✔ Viscosity and VOC reduction
- ✔ Excellent low temp. cure response
- ✔ Excellent adhesion
- ✔ Eliminates popping & pinholes

Low Temperature Cure Response at 5°C

Araldite¹ GY-6010 / Epicure² 3292-FX60



Adhesion - 500 Hour Salt Fog



Control



3.6% XM-B301
on epoxy solids

Cure & Application Conditions

Cure Schedule: 3 weeks at 5°C

Dry Film Thickness: 3-5 mils

Substrate: Iron Phosphated Cold Rolled Steel

Trademark References

1. Araldite	Huntsman Advanced Materials
2. Epicure	Hexion

Contact Information

**Global Headquarters
Tech. Service, R&D, and Sales**
King Industries, Inc.
1 Science Rd.
Norwalk, CT 06852, USA
Phone: 1-203-866-5551

European Tech. Sales Office
King Industries, International
Science Park 402
1098 XH Amsterdam
The Netherlands
Phone: 31 20 723 1970

Asia-Pacific Tech. Sales Office
Synlico Tech Co., Ltd.
42 Ju Lin Ya Yuan
Richmond Hill (Juhaoyuan)
Zhongshan, China
Phone: 86 760 88229866

www.kingindustries.com



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