**K-FLEX®**

**Acetoacetate Resin Modifiers**

**High Performance Modifiers For 2K Epoxy Coatings**

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**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**

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<table>
<thead>
<tr>
<th><strong>K-FLEX</strong></th>
<th><strong>Product</strong></th>
<th><strong>% Active</strong></th>
<th><strong>Eq. Weight</strong></th>
<th><strong>Visc. 25°C (Cp)</strong></th>
<th><strong>Attributes / Uses</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>XM-B301</strong></td>
<td>100%</td>
<td>220</td>
<td>1,100</td>
<td></td>
<td>Excellent performance in epoxy-polyamide primers. Excellent resin compatibility.</td>
</tr>
<tr>
<td><strong>7301</strong></td>
<td>100%</td>
<td>125</td>
<td>150</td>
<td></td>
<td>For high solids and waterborne applications to improve adhesion and corrosion resistance.</td>
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</table>
**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**

#### 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

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