Kane Ace™ MX is a concentrate of core shell rubber (CSR) toughening agent in liquid epoxy resin.

The CSR remains uniformly dispersed under normal handling, formulating and curing conditions.

Advantages:
- Fracture toughness
- Lap shear / T-peel strength
- Fatigue resistance
- No Tg depression
- Consistent morphology
- Wide cure window

Applications:
- Adhesives
- Coatings
- Composites
KANE ACE™ MX

Performance:

Dispersion Stability
CSR dispersion is very stable even in different cure conditions.

Bisphenol-A epoxy cure in various conditions:

<table>
<thead>
<tr>
<th>Cure Type</th>
<th>Temperature</th>
<th>CSR Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amine Cure</td>
<td>200°C</td>
<td>5%</td>
</tr>
<tr>
<td>Amine Cure</td>
<td>60°C</td>
<td>15%</td>
</tr>
<tr>
<td>Phenolic Cure</td>
<td>190°C</td>
<td>3%</td>
</tr>
</tbody>
</table>

Fracture Toughness of Bisphenol-A Epoxy/Kane Ace™ MX

T-peel strength
T-peel strength is increased with CSR content.

Toughness and Tg
Fracture toughness is remarkably improved without reduction of Tg.