



# Soy Epoxy Curing Agents

Airable Research Lab has developed a versatile soy-based epoxy curing agent platform designed to replace or complement petroleum-based curing agents built on amine, anhydride, phenolic, or thiol chemistry. Airable has experience with many curing agent chemistries that can be used across industries and applications such as adhesives, sealants, coatings, and composites.

## TECHNOLOGIES

### Fast-curing

- Thiol
  - Low-temperature, good substrate adhesion
- Amine
  - High reactivity, chemical resistance, and cross-link density

### High-durability

- Anhydride
  - Long pot life, low toxicity, high chemical resistance, and thermal stability
- Phenolic
  - Good oxidation and chemical resistance, thermal stability

## BENEFITS

- Wide range of glass transition temperatures
- Broad processing window
- Tunable specifications to fit application
- Drop-in compatible with existing epoxy resins
- High bio-based content
- Suitable for use in coatings, sealants, adhesives, and composites

*Airable's soy epoxy curing agent platform can be customized for your application needs. Whether you require rapid cure adhesives, durable coatings, or high-performance composites, Airable can offer a sustainable alternative.*