

Epoxy Resin's Role in Industrial Innovations

In a world racing toward more resilient infrastructure, the materials used behind the scenes matter. Many industrial products depend on reliable, high-performance materials like epoxy resins. Made using the building-block chemistry BPA, epoxy resins may not be visible in the finished products, but they provide strength, adhesion and stability across numerous applications.

Common Applications



Protective Floor Coatings



Industrial Molds, Castings and Tooling



Composite Manufacturing



Painting & Coatings

1

Strength: Delivers strong structural support under heavy loads

2

Adhesion: Bonds securely to diverse materials

3

Thermal Stability: Holds shape and performance under heat

4

Durability: Protects surfaces from wear and environmental damage

5

Precision: Maintains dimensional accuracy in tooling

6

Lightweight Reinforcement: Boosts strength-to-weight in composites

7

Insulation: Ensures reliable electrical protection and encapsulation

8

Food Safety: Prevents corrosion and preserves quality in metal packaging

9

Corrosion Resistance: Helps protect metal surfaces and equipment from rust and degradation



About the Bisphenol A North American Team: The Bisphenol A North American Team promotes the business interests and general welfare of the polycarbonate and bisphenol A (BPA) industry through relevant technical, communications, and public policy activities. The membership consists of major manufacturers of polycarbonate plastic and BPA in North America. For more information about BPA, please visit www.factsaboutbpa.org.