

Who ensures proven product performance? We do.

Derakane™ epoxy vinyl ester resins

There is no substitute for proven reliability

When it comes to corrosion-resistant fiber reinforced plastic (FRP) tanks, pipes, pultruded profiles, ducting and custom components, Ashland Derakane epoxy vinyl ester resins increase the efficacy of your product by delivering exceptional durability, superior heat resistance, low maintenance and high performance for even the most challenging environments.

With unparalleled depth in resin choices, Ashland can determine the right processing and performance characteristics for nearly any corrosion resistant application.

Derakane epoxy vinyl ester resins have been increasing the integrity of customer products for generations. Our worldwide resources, including dedicated Ashland corrosion teams across the globe, will continue providing innovative corrosion-resistant solutions and application guidance for your specific need.

Derakane resins set the industry standard

For decades, design engineers and end users continue choosing Ashland Derakane resins because failure isn't an option. Derakane resin's 50-year legacy of excellence in corrosion-resistant fiber reinforced plastic (FRP) applications defines the standard for safety-critical markets like chemical processing, air pollution control, mineral processing, water treatment and many more.

While the chief reason for FRP's popularity is its excellent resistance to corrosion, it also delivers considerable value in a number of other areas. FRP has been increasing the usability of corrosion-resistant equipment in the chemical-processing industry since the early 1950s.



Ashland employees — always solving

FRP PRODUCTS

- ducts
- fans
- grating
- pumps
- tanks
- process vessels
- scrubbers
- hoods
- stacks and liners
- pipes and fittings
- tank-lining systems
- polymer concrete/grouts

Improving the profitability of customer products

Corrosion resistance

Ashland resins are appropriate for a wide range of acids, bases, chlorides, solvents and oxidizers. They are comparable to, and often out-perform, other materials of construction – including high-priced nickel alloys.

Heat resistance

Derakane resins can be used in ducting and chimney liners at continuous-service temperatures up to 350 oF (117 °C) with occasional upsets up to 600 oF (315 °C). They are appropriate for applications requiring Class 1 (ASTM E-84) fire performance. Longer life Ashland resins outperform most commonly used metals in corrosive environments, and in some applications, performing admirably throughout the life of the plant.

Low maintenance

Derakane resins have superior corrosion resistance which translates into significantly reduced maintenance costs. FRP does not require cathodic protection or the continuous application of maintenance coatings. It can easily be inspected and maintained.

Broad formulation range

Ashland resins are adaptable to a broad range of formulations for optimum performance in a wide variety of fabrication processes, including contact molding, filament winding, pultrusion, infusion and resin transfer molding (RTM). Low emission versions of Derakane resins are also offered.

High performance

Ashland resins demonstrate high strength, low weight and excellent thermal insulating properties, allowing for easy installation and exceptional overall performance.



North America — Dublin, OH USA
Tel: +1 614 790 3361

Europe — Barcelona, Spain
Tel: +34 93 206 5120

India — Navi Mumbai
Tel: +1 800 209 2475

Asia Pacific — Shanghai,
P.R. China
Tel: +86 21 2402 4888

Latin America — Araçariquama,
Brazil
Tel: +55 11 4136 6477

derakane.com

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