EASTMAN

The art of innovation

Solutions for coatings markets

Durable? You haven't even **scratched the surface.**

For generations, Eastman has offered one of the most diverse product portfolios in the coatings industry. Today, we're revolutionizing industrial coatings by enabling formulations that include TMCD-based polyester polyols.

TMCD-based polyester polyols increase the glass transition temperature (T_g) while maintaining excellent solvent solubility. In lab tests, coatings based on Eastman TMCD polyester polyols show significant enhancement in weathering and a better balance of hardness and flexibility when compared to non-TMCD polyester-based coatings.

With high solids, improved productivity, and complete layer reduction, formulations featuring Eastman's unique TMCD-based polyester polyols can also achieve substantial sustainability improvements over multilayer paint systems—enhancing the long-term appearance of vehicles without having to invest in expensive and energy-consuming multilayer paint systems.

Advantages of TMCD-based polyester polyols

- Twice the weatherability
- Twice the mar resistance
- A 10%–15% increase in throughput due to higher solids loading
- A 10%–15% reduction in volatile organic compounds (VOC)

Compliance with a **competitive edge**

One of the most prevalent drivers in coating formulations today is the need to meet volatile organic compound (VOC) limits established by regulations. This often requires formulators to change to high-solids coating systems, which use less solvent. While such high-solids systems may offer higher resin content for better coverage and protection, they may also have higher viscosity, which can lead to poor application properties.

To help, Eastman has a comprehensive portfolio of specialty ketones that enable high-solids coatings to achieve excellent appearance and performance based on their unique combination of solvency, density, evaporation rate, and surface tension. Ketones' high solvency and low density make them the perfect solvent for high-solids coatings. High solvency allows ketones to lower the viscosities of various resin systems. Low density yields coatings that contain fewer grams of solvent per liter and, therefore, lower VOC.

With a range of evaporation rates, specialty ketones allow formulators to tailor solvent blends to give coatings the required drying profile for all types of systems.

Confidence starts at the **molecular level**.

Eastman coalescing additives provide a wide range of attributes to meet desired performance and regulatory needs.

Eastman Texanol™ ester alcohol has earned its reputation as the gold standard in paint additives by delivering maximum film formation and durability. As a coalescent, it works by temporarily reducing the glass transition temperature (T_g) of polymers, thus enabling the polymer particles in formulated paint to move and fuse together to create a smooth, coherent film.

Texanol performs well in a variety of weather conditions and over traditional and newly identified substrates. With exceptional efficiency, formulators can use low levels to achieve gold-standard results.

When used together, Texanol and Optifilm products deliver versatile solutions to balance performance and compliance.

Eastman Optifilm™ enhancers are efficient coalescents that address regulatory compliance and odor issues while maintaining a performance edge. These additives for low-VOC paint offer low-odor and VOC-compliant solutions for architectural coating formulations—allowing formulators to address regional regulatory challenges while gaining time- and money-saving benefits.

Expensive reformulation investments are not required for Optifilm enhancers to deliver high quality coatings with low environmental impact.

Neutralizing amines. Stabilizing performance.

With the acquisition of Taminco and its line of neutralizing amine products, Eastman expanded its already comprehensive portfolio of additives for the coatings industry. These new additives enable formulators to create coatings with the qualities their customers want.

Eastman Advantex™ neutralizing amine additive is a multifunctional derivative that improves the low odor profile of architectural coatings while also enhancing through superb pigment dispersion, emulsion stability, and syneresis control.

Eastman Vantex™-T neutralizing amine additive is a very low-vapor-pressure, multifunctional tertiary amine additive that enables formulators to create high quality, environmentally friendly, lower-odor, lower-VOC paints and coatings.

Coatings improve products. **We improve coatings**.

Regardless of your substrate or application, your coating formulation is your masterpiece. That's why we're committed to delivering innovation and solutions that meet your exact needs. At Eastman, we're not just proven in the markets we serve; we're improving them.

For more information, contact your Eastman representative or visit **Eastman.com/coatings**.

EASTMAN
The results of **insight**™

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