



# Bio-based glycol performance for architectural coatings

## A plant-based, petroleum-free diol

We believe that major strides in innovation can leave smaller environmental footprints. From performance polymers to coatings, binders, polyurethanes, and bio-solvents, our 100% bio-based Susterra® propanediol (1,3-propanediol or PDO) continues to unlock the power of nature to enable more sustainable solutions that never sacrifice performance.

## Performance comes naturally

Susterra® propanediol is 100% plant-based, petroleum-free, and offers high-performing, sustainable solutions for a wide range of polyurethane coating applications. And because it's renewably sourced, Susterra® propanediol generates up to 48% less greenhouse gas emissions cradle-to-gate compared to common petrochemical-sourced alternatives.



Harvest



Fermentation



Refining

## Renewably sourced. Regeneratively farmed.

Susterra® propanediol products are bio-based, USDA certified, and GMO-free. They are also renewably sourced and benefit from a regeneratively farmed dent corn feedstock that is certified by the USDA BioPreferred® program as a 100% bio-based ingredient —helping you boost your renewable content while reducing your carbon footprint.





## Susterra® PDO for architectural coatings provides:

- Improved open time
- Excellent behavior as coalescent
- Good mechanical properties
- Good chemical resistance

Results are resin-specific.

## Say goodbye to petroleum-based glycol

When used as a bio-solvent or co-solvent in CASE applications, Susterra® propanediol is a sustainable alternative to mono propylene glycol (PG) and butyl glycol (BG) in acrylic and polyurethane resin systems that won't sacrifice performance.

Depending on the type of resin, a full or partial replacement will allow the introduction of renewable glycol.

## Boost renewable content in architectural coatings

We're committed to helping companies achieve their short- and long-term goals for increasing renewables in coatings formulations. Susterra® propanediol enables partial or 100% replacement of petroleum-based glycols depending on the type of resin and characteristics needed.\*

## More possibilities for sustainable performance

Research has shown that depending on the formulation, Susterra® propanediol can lead to longer open times, which can be advantageous for formulating fast-drying waterborne coatings for PU resin systems. Susterra® propanediol also provides higher viscosity, which can help optimize certain rheology modifiers.

At CovationBio PDO, our innovative biotechnology continues to enable better-performing, better-for-the-planet products across a range of industries. Learn how Susterra® propanediol is redefining what's possible without petroleum at [CovationBioPDO.com](https://CovationBioPDO.com).

\*Detailed test studies performed by Synpo, a certified, third-party lab.



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