

Milliken® Milliguard™ AOX

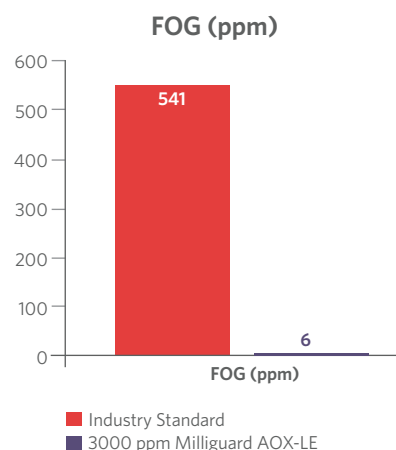
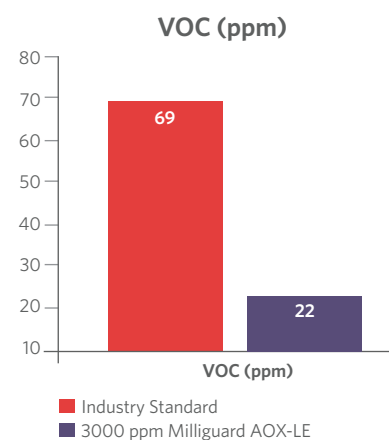
Antioxidant for Polyurethane

Milliguard AOX antioxidant product portfolio capitalizes on the value of our unique reactive, polymeric carbon-centered radical scavenger to provide optimal base stabilization packages of polyether and polyester polyol. These superior packages allow for lower overall loading and reduced emissions to meet the most stringent VOC standards without sacrificing oxidative degradation protection in high heat thermoset reactions.

Advantages

- **Amine Free:** Eliminates the negative emission profile, foam discoloration, and poor toxicological profile associated with traditional hindered amine antioxidants
- **Reduced Emissions:** Inclusion of reactive antioxidant technology allows for a reduced emission profile to meet the most stringent industry standards
- **High level of efficacy:** Reactive polymeric carbon-centered antioxidant combined with carefully selected synergistic antioxidants allow for reduced overall loading levels and superior degradation prevention
- **Liquid Blends:** Allows for easier dosing during manufacture
- **Excellent Compatibility:** Miscible into polyether and polyester polyol

Reduced Emissions



Polyol Stabilization Blends

	AOX 1	AOX 215	AOX 279
Physical form	Liquid	Liquid	Liquid
Color	Light Yellow to Amber	Light Yellow to Amber	Light Yellow to Amber
Viscosity (mPa.s @ 25°C)	< 20,000	< 3,000	< 5,000
pH	Neutral	Neutral	Neutral
Phenol free	Yes	Yes	Yes
Hydroxyl number (mg KOH/g)	68	≤ 10	≤ 10
Amine free	Yes	Yes	Yes
VDA278 compliant	Yes	Yes	No
Loading levels (ppm)	250-3,000	1,000-3,500	1,000-4,000

For more information, please contact your Milliken Representative.

PLEASE NOTE: As each customer's use of our product may be different, information we provide, including without limitation, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at www.milliken.com/terms (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.

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