

VANATURAL® XGB

Bentonite Clay

Bentonite and Xanthan Gum Blend

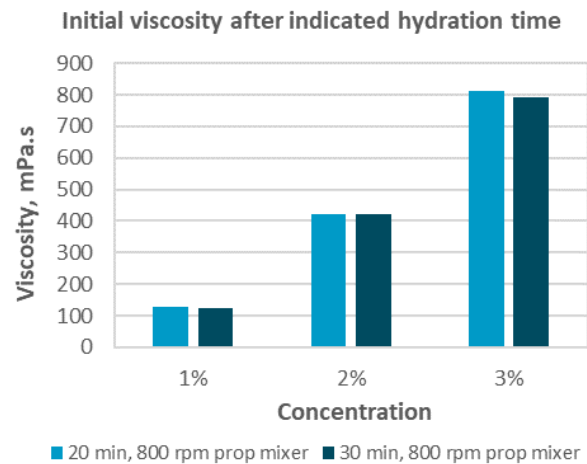
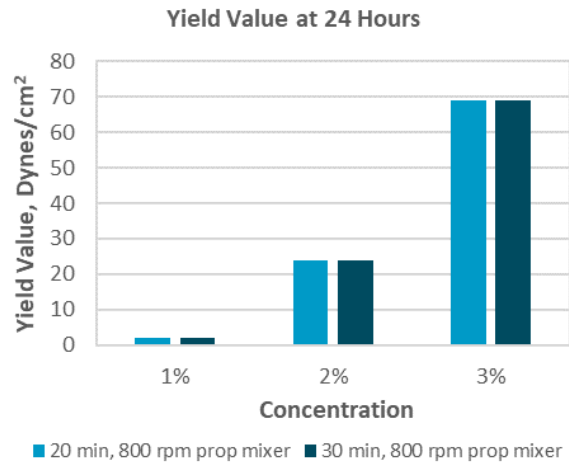
VANATURAL® XGB is a tailored blend of natural bentonite and xanthan gum that stabilizes topical suspensions and emulsions. **VANATURAL XGB** is especially recommended for difficult to stabilize suspensions and emulsions, and for processes where heated water or high shear mixing is not available.

INCI Name: Bentonite (and) Xanthan gum

VANATURAL XGB features:

- **Rapid hydration** – Mix until smooth; when it looks done, it is done. Hydrates quickly with low shear mixing in unheated water.
- **High yield value** – The synergistic combination of bentonite and xanthan gum reliably stabilizes water-based suspensions and emulsions.
- **Fine rheology control** – Because the clay-gum synergism provides both efficient thickening and high yield value, stabilization is possible over a wide range of product viscosity.
- **Wide pH compatibility** – Suitable for use in most topicals. Not recommended for compositions containing oxidizers or more than pH-adjusting levels of alkaline caustics.
- **Broad temperature stability** – Stabilization of suspensions and emulsions in frigid to torrid storage conditions.
- **Superior esthetics** – Pleasant application feel.
- **High purity** – Made with pharmaceutical grade natural bentonite and pharmaceutical grade xanthan gum.
- **Typical Properties:**

Viscosity, 2%	300-500 cps
pH, 2%	7-8.5
Moisture	8% maximum



Cosmetic grades of **VANATURAL®** Bentonite Clay, including **VANATURAL XGB**, when used in cosmetics are intended for topical and dental use only. **VANATURAL XGB** can also be used in industrial and agricultural applications.

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