

# ECM 400

## Wyoming Sodium Bentonite

**Description** ECM 400 GCL (geo-synthetic clay liner) enhancement additive is combined with bentonite to provide enhanced resistance to aggressive leachate contaminants. It is a natural polymer with a unique structure that intrinsically counteracts detrimental contaminants. ECM 400 has a distinct structure that allows it to hydrate and yield in very hostile water sources and exert its protective effect on bentonite. When added to bentonite, it can chemically reinforce the resultant seal, and can be used to extend the range of suitable leachate for which a geo-synthetic clay liner can be employed.

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**Applications/Functions**

- Geo-synthetic clay liners
- Bentonite-based barriers

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**Advantages**

- Extends capability of geo-synthetic clay liner
- Can withstand a broad spectrum of harsh contaminants
- Reduces resultant permeability
- Fully hydrates in harsh water sources

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**Properties**

- Light brown to tan powder
- pH: 7

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**BENTONITE**

**Performance Minerals LLC**