

GenCeal® 8100

Sulfonated Styrene Butadiene Latex Emulsion

GenCeal® 8100 is a sulfonated styrene butadiene latex emulsion and forms a stiff, high gloss and tough film at temperatures above 35°C. The main attributes are excellent stability in the presence of multivalent ions and excellent high temperature stability. Applications include wallboard, external sheathing, cement additive, HTHP water based drilling muds, down well oilfield cementing and adhesive compounding. Features include:

- Excellent electrolyte stability when exposed to solutions containing high levels of mono (e.g. Na⁺ and K⁺) or multivalent ions (e.g. Ca⁺² and Ba⁺²)
- Excellent stability above 300°F (149°C)

TYPICAL PROPERTIES

PHYSICAL PROPERTIES

Solids, % by Weight	41
Specific Gravity	1.05
pH	8.5
Brookfield Viscosity	<150 cps
Surface Tension (dynes/cm)	40
Particle Size	Large
Glass Transition Temperature	20°C

CHEMICAL/MECHANICAL PROPERTIES

Mechanical Stability	Excellent
Multivalent Ion Stability	Excellent
Shelf Life	Excellent
Foam	Low
Odor	Low
Emulsifier	Anionic

STORAGE AND HANDLING

- Protect latex from freezing; not freeze-thaw stable. The recommended temperature range for storage is 40°-120°F (4°-49°C).
- Bulk storage should be stainless steel (304 or better) or plastic tanks
- Refer to *MSDS* and the *Latex Handling & Storage Guide* for additional details

NOTE:

Although the data supplied above is believed to be accurate, each user is advised to make an independent determination as to whether the described product(s) is/are appropriate for a particular use or application, whether such use will comply with all applicable laws or regulations, or whether such use will infringe the intellectual property rights of third parties.

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