

## TECHNICAL DATA SHEET

### **BILTREAT 1215 (Cationic Wet Strength Resin)**

#### **Description:**

- BILTREAT 1215 is a cationic polyamide wet strength resin supplied as an aqueous solution containing 12.5% solids.
- When applied under acidic or alkaline stock conditions, BILTREAT 1215 will efficiently increase the wet strength properties of finished paper or paperboard products.

#### **Physical Properties:**

Solids, %	12.5
Form supplied	Clear Amber Liquid
pH	3.2
Density, wet lb./gal.	8.65
Dry Resin, lb./gal.	1.08
Water Solubility	Infinite
Viscosity, cps at 77°F (25°C)	40
Freezing Point, °F (°C)	26 (-3.3)
Boiling Point, °F (°C)	212 (100)
Flash Point, °F (°C)	None to boiling

#### **Applications:**

- BILTREAT 1215 resin is highly effective for developing wet strength in facial tissue, napkins, towels, carrier board, liquid packaging, bag paper, liner board, medium and other specialty papers.
- BILTREAT 1215 performs over a broad pH range of 4.0 – 9.0 (with best efficiency between 6.5 – 8.0) in the presence of normal papermaking additives. Typical furnish levels range from 0.2 to 0.75% (dry basis), which is dependent upon the wet strength level desired and the grade being manufactured.
- BILTREAT 1215 can be added to either the thin or thick stock systems. Best results are achieved with sufficient random dilution and maximum available stock agitation at the point of addition. BILTREAT 1215 should be added after rosin size and alum addition

#### **Handling & Storage:**

- BILTREAT 1215 should be stored in acid resistant, lined steel or glass fiber tanks and containers. Tanks should have a closed top vented to the atmosphere. To prevent loss of efficiency, the resin should be stored at temperatures below 77°F (25°C). Care should be taken to protect the resin from freezing. If the product should be frozen, recovery may sometimes be possible with gentle warming and mild agitation.
- BILTREAT 1215 can be pumped with almost any type of low shear, positive displacement pump. However, internal wetted parts should be made of stainless steel. Standard additive flow control devices can be used for metering.



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**Packing:**

- BILTREAT 1215 is supplied in 200 liter/1000 liter drums.

**Shelf Life:**

- 3 months from the date of manufacturing.

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