AQUABOND
Chemistry for Tomorrow

Ammonium Zirconium Carbonate

ZirCan™ AZC XL

Technical Data Sheet

Product Identification

- Product Name: ZirCan™ AZC XL
- Chemical Name: Ammonium Zirconium Carbonate
- Synonyms: Ammonium Zirconyl Carbonate
- CAS Number: 22829-17-0
- Appearance: Colourless liquid

Product Description

ZirCan™ AZC XL is a clear alkaline aqueous solution of low molecular weight ammonium zirconium carbonate.

ZirCan™ AZC XL is a reactive crosslinker with high activity for binding carboxylic acid and hydroxyl groups in binders used for coatings (coated paperboard, paints, adhesives, water-based inks, latexes).

Product Properties

- % Solids: 33 – 34 %
- Specific Gravity: 1.20 – 1.30 g/mL (25 °C)
- Viscosity: 10 cps (25 °C)
- pH: 9.0 – 10.0

Packaging:

- Tight-heads, 25 kg
- Drums, 300 kg
- Totes, 1500 kg
- Bulk Tanker

Applications

- Crosslinker and binder insolubilizer for paper and paperboard coatings
- Effective crosslinker for multiple binders: CMC, Starch, Styrene Acrylic latex, Carboxylated latex, PVOH

Product Benefits

- Rapid curing through drying and evaporation of ammonia and carbon dioxide
- Improves water resistance and printability
- Approved as a component of paper and paperboard in contact with foods (FDA 21 CFR 176.170)
- Formaldehyde free

Storage and Handling:

Keep container tightly closed at ambient temperature (10 °C – 25 °C), protect from freezing.

The above information, while not guaranteed, reflects our analysis and believed to be accurate. It is the end user's responsibility, prior to use of the above mentioned product to determine the suitability of the product. Aqua Bond shall not be, directly or indirectly responsible for damages of any nature whatsoever resulting from the use or reliance upon the above information.

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