AQUABOND
Chemistry for Tomorrow

Ammonium Zirconium Carbonate

ZirCan™ AZC20

Technical Data Sheet

Product Identification

- Product Name: ZirCan™ AZC20
- Chemical Name: Ammonium Zirconium Carbonate
- Synonyms: Ammonium Zirconyl Carbonate
- CAS Number: 68309-95-5
- Appearance: Colourless liquid

Product Description

ZirCan™ AZC20 Ammonium Zirconium Carbonate is a clear alkaline aqueous solution with 20% ZrO_2 content.

ZirCan™ AZC20 is a reactive crosslinker used as a binder insolubilizer for paper and paperboard coatings, component of inks, adhesives, paints.

Product Properties

- ZrO_2 + HfO_2*: 20 – 21 %
- *`HfO_2 accounts for ~2% of total
- Specific Gravity: 1.4 – 1.5 g/mL (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
- Higher 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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Aqua Bond Inc. 440 Passmore Avenue, Toronto, Ontario, Canada M1V 5J8
Phone: 416-754-7211 www.aquabond.ca info@aquabond.ca