



Potassium Zirconium Carbonate

ZirCan™ KZC20

Technical Data Sheet

Product Identification

- Product Name: ZirCan™ KZC20
- Chemical Name: Potassium Zirconium Carbonate
- Synonyms: Potassium Zirconyl Carbonate
PZC, KZC
- CAS Number: 23570-56-1
- Appearance: Colourless liquid

Product Description

ZirCan™ KZC20 Potassium Zirconium Carbonate is a clear alkaline aqueous solution with 20% ZrO₂ content with no odour.

ZirCan™ KZC20 is a reactive crosslinker, and binder insolubilizer for paper and paperboard coatings, inks, paints, and adhesives.

Product Properties

- ZrO₂ + HfO₂*: 20.0 – 21.0 %
- *HfO₂ accounts for ~2% of total
- Specific Gravity: 1.50 – 1.65 g/mL (25 °C)
- Viscosity: 5 cps (25 °C)
- pH: 9.0 – 11.0

Packaging:

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

Storage and Handling:

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

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

- ZirCan™ KZC20 Potassium Zirconium Carbonate is a clear alkaline aqueous solution with 20% ZrO₂ content with no odour.
- ZirCan™ KZC20 is a reactive crosslinker, and binder insolubilizer for paper and paperboard coatings, inks, paints, and adhesives.
- Formaldehyde free, odorless

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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