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TECHNICAL DATA SHEET

BILTREAT ISP 063

Description:

- BILTREAT ISP 063 is a zirconium polymer containing Potassium Zirconium carbonate. It is an effective cross linker and insolubilizer; it aggressively reacts with most functional groups of latex as well as natural origin polymers used for water base inks and paints.

Advantages:

- Non Formaldehyde compound.
- Cure begins at Coater Nip; advanced cure off machine.
- To improve heat resistance, scrub resistance and solvent resistance.
- Cures upon moisture removal.
- Suitable for Food grade paper.

Field of Application:

- Paper coatings.
- Aqueous distempers, Paints and inks.

Physical Properties:

Physical Appearance	:	Clear to translucent liquid
pH	:	>10
Specific Gravity	:	1.30 \pm 0.03
ZrO ₂ + HfO ₂ Content%	:	12 \pm 1%
Solid Content %	:	33 \pm 2
Ionic Charge	:	Anionic
Solubility in Water	:	Soluble in water in all proportions
Compatibility with Anionic/Non Ionic product	:	Good

Caution:

- Compatibility must be first checked in lab before use.

Dosage:

- Typical addition level of BILTREAT ISP 063 recommended as under:

Paper Coating	:	6-8 % wet basis on binder solids
Aqueous paints and	:	6-8 % wet basis on binder solids
Aqueous inks and Coating	:	5-10% wet basis on the total dry binder solids.

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Corporate Office: 209, Mewad, Patanwala Industrial Complex, L.B.S. Marg, Opp. Shreyas Cinema, Ghatkopar (West), Mumbai - 400 086, India.
Tel.: +91-22-2500 0429/ +91-22-6796 9600 | **Fax:** +91-22-2500 5008 | **Email:** info@bhaviindia.com | **Web:** www.bhaviindia.com
Site Address: Unit No - 14, Samarth Industrial Estate, Near 100 Shed Area, Shivaji Nagar, Dunga, Vapi GIDC, Gujarat - 396195 INDIA.



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- Dosage can vary depending upon the degree of cross linking property enhancement required.
- The pH of the coating before the addition of BILTREAT ISP 063 should be higher than 7. It should be always added as the last component in the formulation, after adjusting the pH at 8-9.

Storage:

- For storage stainless steel, Polyethylene or polypropylene is suitable, Mild steel is not recommended.
- BILTREAT ISP 063 should be store in tightly sealed drum. The air within the containers can slowly react with the product leaving solid sediments at the bottom.

Shelf Life:

- 6 months from date of manufacturing in air tight sealed containers stored away from the direct heat and sunlight.

Packing:

- 60 kg /275 kg HDPE barrels.

Disclaimer: The suggestion & data in this publication is currently believed to be accurate. We do not guarantee its accuracy as the conditions & methods of the use of our products are beyond our control. Purchasers should always make their own determination of its suitability and completeness for a particular use, for the protection of the environment & for the health and safety of employees.

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