



## Typical Properties

Appearance.....Transparent Slurry  
 pH.....7-9  
 Ionic nature.....Cationic  
 Thermal stability.....Upto 300 deg. cel

## Application Areas

- **Textiles & Apparels**
- Undergarments, Sport ware
- Home Furnishing Textiles,  
 Upholstery, Curtains, Bathroom  
 Textiles, Towels, Bedding materials,  
 Mattresses, Pillow cases, Quilt  
 covers, Bed linen, Bed Sheets.



## Silver Ion Slurry Silver Ion Particles Grade Ref: SIS-900

SIS 900 is offered as Silver Ion Slurry. The Silver is a proven antimicrobial ingredient used since ancient times and it has been shown that silver kill bacteria, fungi and certain viruses. Silver is positively charged as silver ions ( $Ag^+$ ) that possess the antimicrobial effect. The silver ions subsequently block the bacterial respiratory system and destroy the energy production of the cell. Thus the bacterial cell membrane get burst and instantly bacteria destroys.

BIOX SIS 900 is in Silver Form transfers the silver elements into a Silver compound which is to be applied to various textile substrates using coating procedures followed by the textile industry. BIOX SIS 900 has nanostructured Silver Ions active ingredient has a superficial area. The advantage of the super large area is that the consumption of dosage can be reduced to great extent.

## Advantages

- Broad spectrum of efficacy against Bacteria and Fungi
- Protective mechanism of releasing silver
- Nano Technology
- High Temperature Resistance
- Wash Durable
- Non Yellowing
- Low application costs
- Readily combined with many textile effects

## How to use ? Instructions of Coating

- In Case of Pad Dyeing process  
 The concentration of SIS 900 is 30-50g/L.  
 One dip and One roll, the mangle expression is 80-100%, then follow the normal process to dry.
- In Case of Dipping Process  
 The dosage of SIS 900 used as Finishing agent is 2%-4% of the textile weight & the bath ratio is 1:10-15.
- Bath temperature is 40~45°C, soak for 10~30 minutes.

**Available packaging**

25 Kg Pail

200 Kg Barrel

1200 Kg IBC Tote

**Shelf life**

12 months



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NOTE: Although the data supplied above is believed to be accurate, each user is advised to make an independent determination as to whether the described product is appropriate for a particular use or application, whether such use will comply with all applicable laws or regulations, and whether such use will infringe the intellectual property rights of third parties.