



# Axon-AZ : Titanium Anatase Replacement in Textile Printing Ink ( Khadii)

- DESCRIPTION** : Synthetic Coated Magnesium Aluminum Silicates
- PHYSICAL NATURE** : White
- CHEMICAL PROPERTIES**
- ❖ Chemically inert, physically neutral
  - ❖ Does not disturb the polymerizing process of the binder
  - ❖ Does not become yellowish even after years
  - ❖ Does not contain any Zinc, Lead or Sulfur contents
- PACKAGING** : 25 KGS (HDPE Bags)
- SHELF LIFE / STORAGE** : Product has a shelf life of at least 3 year, if stored with sealed
- CHARACTERISTICS**
- ❖ Can be Used as a replacement of TiO<sub>2</sub>.
  - ❖ Does not affect the curing process of the acrylic binder.
- SUGGESTED USES**
- ❖ Can be used as a replacement for TiO<sub>2</sub> in “ Khadi “
  - ❖ Used to achieve better sharpness and whiteness.
  - ❖ Used to provide better coverage (per meter)
  - ❖ Suitable for Overlapping as well as for Carbonize type of printing applications

## PHYSICAL PROPERTIES

Products	Physical Appearance	Specific Gravity	PH	Avg.Partical Size(Microns)	Refractive Index	Bulk Density ( gm/100cc)		Absorbency ( gm/100cc)	
						Loose	Tape	Oil	Water
Axon-AZ	White powder	2.3 – 2.5	7-8	10	1.80 – 1.9	30.6	62.15	67.6	71

## AXON-RECIPE

INGREDIENTS	WEIGHT
Binder – 4000/SLN	40.00
Water	10.00
Emulsifier	3.00
Urea	2.00
Liquor Ammonia	2.00
<b>Axon- AZ</b>	<b>35.00</b>
OVERNIGHT SOCKING	
M.T.O.	10.00
Fixer	1.00
Thickener	As Required
<b>Total</b>	<b>103.00</b>

## (STREACHKHADI)

INGREDIENTS	WEIGHT
Streach Binder	60.00
Water	10.00
Emulsifier	3.00
TIO2 (R)	20.00
<b>Axon-AZ</b>	<b>15.00</b>
OVERNIGHT SOCKING	
Liquor Ammonia	2.00
Thickener	As Required
<b>Total</b>	<b>110.00</b>

**Note:** As every printing units have their own recipe of khadi manufacturing. We have suggested the easiest way to make khadi from our TVX-AXON series of powders.

**Disclaimer:** The said information is provided with good faith. However, our technical advice, information and statements given verbally, in writing or in form of test results – is offered for guidance without warranty. NO WARRANTY OF FITNESS FOR A PARTICULAR URPOSE IS MADE. The user is requested to conduct a small trial of the product prior to the bulk use.