



# Axon-O: Scientific Replacement of TiO<sub>2</sub> in Textile Printing Ink ( Khadii)

<b>DESCRIPTION</b>	: Synthetic Coated Magnesium Aluminum Silicates
<b>PHYSICAL NATURE</b>	: White
<b>CHEMICAL PROPERTIES</b>	<ul style="list-style-type: none"> <li>❖ Chemically inert, physically neutral</li> <li>❖ Does not disturb the polymerizing process of the binder</li> <li>❖ Does not become yellowish even after years</li> <li>❖ Does not contain any Zinc, Lead or Sulfur contents</li> </ul>
<b>PACKAGING</b>	: 25 KGS (HDPE Bags)
<b>SHELF LIFE / STORAGE</b>	: Product has a shelf life of at least 3 year, if stored with sealed
<b>CHARACTERISTICS</b>	<ul style="list-style-type: none"> <li>❖ Can be Used as a replacement of TiO<sub>2</sub>.</li> <li>❖ Does not affect the curing process of the acrylic binder.</li> </ul>
<b>SUGGESTED USES</b>	<ul style="list-style-type: none"> <li>❖ Can be used as a replacement for TiO<sub>2</sub> in khadii.</li> <li>❖ Used to achieve better sharpness and whiteness.</li> <li>❖ Used to provide better coverage (per meter)</li> <li>❖ Suitable for Overlapping as well as for Carbonize type of printing applications</li> </ul>

## **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-O	White powder	2.3 – 2.5	7-8	10	1.75 – 1.9	29.15	41.12	66.6	74.6

## **AXON-RECIPE**

INGREDIENTS	WEIGHT
Binder – 4000/SLN	40.00
Water	10.00
Uria	2.00
Emulsifier	2.00
Liquor Ammonia	1.00
<b>Axon-O</b>	<b>35.00</b>
<b>OVERNIGHT SOCKING</b>	
M.T.O.	10.00
Thickener	As Required
<b>Total</b>	<b>100.00</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.