



Axon-RZ : Titanium Rutile 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 TiO₂ (R).
- ❖ Does not affect the curing process of the acrylic binder.

SUGGESTED USES

- ❖ Can be used as a replacement for TiO₂ 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
- ❖ Used to provide pigment savings with better brightness Colour khadi.

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-RZ	White powder	2.2 – 2.4	7-8	10	1.88 – 1.95	28.2	55.12	60.2	68

AXON-RECIPE

INGREDIENTS	WEIGHT
Binder – 4000/SLN	40.00
Water	10.00
Emulsifier	3.00
Urea	2.00
Liquor Ammonia	2.00
Axon-RZ	35.00
OVERNIGHT SOCKING	
M.T.O.	11.00
Fixer	1.00
Thickener	As Required
Total	103.00

(STREACHKHADI)

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

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.