

# **EVOTEX - ZE** Replacement of TiO<sub>2</sub> anatase in Textile Ink Printing (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 “ Khadii “
- ❖ 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 |
| EVOTEX -ZE | White powder        | 2.3 – 2.5        | 7-8 | 10                         | 1.80 – 1.9       | 30.6                     | 62.15 | 67.6                   | 71    |

**EVOTEX ZE -RECIPE**

| INGREDIENTS              | WEIGHT        |
|--------------------------|---------------|
| Binder – 4000/SLN        | 40.00         |
| Water                    | 10.00         |
| Emulsifier               | 3.00          |
| Urea                     | 2.00          |
| Liquor Ammonia           | 2.00          |
| <b>EVOTEX -ZE</b>        | 35.00         |
| <b>OVERNIGHT SOCKING</b> |               |
| 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>EVOTEX -ZE</b>        | 15.00         |
| <b>OVERNIGHT SOCKING</b> |               |
| 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 EVOTEX ZE 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.