

# ZYCOSTIFF

## PRODUCT ATTRIBUTES

ZYCOSTIFF is a new generation polyester resin for bonding polyester fiber for wadding / Batting and back coating of textiles & non-woven fabrics including for fabric it provides excellent adhesion to polyester; Blends & cotton fabrics and prevents migration. The small Nano size particle of the resin helps in better penetration and provides multi-point bonding even in the inner layers of the substrates. It is possible to reduce dosage level by about 30 - 35% compared to self-cross-linking acrylic resins.

Features	Benefits
Structure with perfect combination of polar and non-polar groups	Exceptional adhesion to substrate surface
Smaller particle size & hence better penetration	Stiffer feel & Improved resiliency of wadding / Non-woven and textile.
Excellent cohesive & adhesive strength	Stronger binding at even lower dosage levels. Better final product
Lower film forming temperature	Curing at temperature i.e. 170 –180 °C

## TECHNICAL DATA

FORM	
Physical Form	Translucent liquid
Solubility	Water soluble
Solid content	25 ±1.5 %
Nature	Anionic
PH range	6.5 to 7.5
Viscosity	5 – 10 CPs

## APPLICATION

Dosage will vary with the stiffening required. Combination with Polyvinyl Acetate emulsions help to minimize finishing cost with better finish.

## STORAGE & SHELF LIFE

- The material should be stored in cool shade. Do not store in direct sun or at a temperature higher than 40 °C.
- The product on ageing may show slight haziness in diluted solution but it does not affect the performance of the product.
- Stable for 12 months if stored in a shade at room temperature.

## DISCLAIMER

The information & data contained herein are given in good faith but without warranty. We recommend that before using our products, the customer should make his/her own tests to determine the suitability of the products for his/her own purpose under his/her operating conditions. As the circumstances under which our products are stored, handled and used are beyond our control, we cannot assume any responsibility for their use by the customers.

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