TUSI HAYTHAM BIO LIMITED
Chemistry for a Greener Planet

Technical Data Sheet

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THIXA™ Pro Series – Thixa Pro ACR
Acrylic Thickener – Textile & Coating Applications

Manufacturer: Tusi Haytham Bio Limited

Product Description:
Thixa Pro ACR is a high-performance acrylic thickener designed to control viscosity and improve the stability of coatings, printing pastes, and textile formulations. It provides excellent thickening efficiency, uniform texture, and enhanced print definition while maintaining compatibility with a wide range of aqueous systems.

Key Performance Properties:

- **Efficiently thickens water-based formulations.**
- **Provides smooth, consistent viscosity and stability.**
- **Improves print definition and coating uniformity.**
- **Compatible with pigments, dyes, and other textile or coating auxiliaries.**
- **Maintains performance under varying temperature and shear conditions.**

Typical Properties:

Property	Specification
Appearance	White to off-white viscous liquid
Solid Content	20 – 30 %
pH (25 °C)	6.5 – 8.5
Viscosity (25 °C)	500 – 2000 mPa·s
Solubility	Fully miscible in water
Stability	Stable under normal storage and processing conditions

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Application:

- **Add Thixa Pro ACR to water-based inks, coatings, or textile pastes to achieve desired viscosity.**
- **Typical addition: 0.5 – 5 % owf depending on application and desired thickness.**
- **Stir or mix thoroughly to ensure uniform dispersion.**
- **Compatible with common additives; adjust formulation via lab trials for optimal performance.**

Precautions:

- **Avoid direct contact with eyes and skin; wear protective gloves and eyewear.**
- **Do not mix with strong acids or oxidizing agents without proper dilution.**
- **Store in tightly sealed containers to maintain product quality.**

Packing Size:
Available in 25 kg, 60 kg, and 200 kg HDPE drums.

Storage:

- **Store in a cool, dry, ventilated area below 40 °C.**
- **Shelf life: 12 months from date of manufacture in unopened containers.**
- **Check product label for “Best use before end” date.**

Issued by:
Tusi Haytham Bio Limited – Technical Division
Product: THIXA™ Pro Series – Thixa Pro ACR
Category: Acrylic Thickener – Textile & Coating Applications