TUSI HAYTHAM BIO LIMITED
Chemistry for a Greener Planet

Technical Data Sheet

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FIXACRYL™ Series – FIXACRYL HR

Padding / Interlining Resin – Hard
Manufacturer: Tusi Haytham Bio Limited

Product Description:

FIXACRYL HR is a high-performance hard padding and interlining resin designed for textile finishing applications. It provides excellent fabric stiffness, dimensional stability, and crease resistance, making it ideal for shirts, collars, interlinings, and other structured fabric applications.
FIXACRYL HR ensures uniform resin deposition, minimal yellowing, and durable finish without compromising fabric handle.

Key Performance Properties:

- **Provides hard and durable fabric finish.**
- **Enhances dimensional stability, crease recovery, and body.**
- **Uniform application with minimal yellowing.**
- **Compatible with common textile auxiliaries and finishing processes.**
- **Suitable for padding, coating, and interlining applications.**

Typical Properties:

Property	Specification
Appearance	Clear to pale yellow liquid
Solid Content	30 – 35 %
pH (25 °C)	4.5 – 6.0
Viscosity (25 °C)	200 – 500 mPa·s
Solubility	Fully miscible in water
Stability	Stable under normal storage and processing conditions

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Application:

- **Apply FIXACRYL HR through padding, coating, or interlining processes.**
- **Typical pickup: 5 – 15 % owf, depending on fabric type and desired hardness.**
- **Cure fabric according to process requirements (temperature and time) for optimum finish.**
- **Compatible with softeners and other finishing auxiliaries; optimize formulation via lab trials.**

Precautions:

- **Avoid direct contact with eyes and skin; wear protective gloves and eyewear.**
- **Do not mix with strong acids or oxidizing agents without 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: FIXACRYL™ Series – FIXACRYL HR
Category: Padding / Interlining Resin – Hard