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High-Concentration Wide-Temperature Desizing Enzyme

Amylase-based textile enzyme for efficient starch removal from woven fabrics before dyeing.

SKU **ENZ338** CATEGORY **ENZYMES FOR TEXTILE INDUSTRY** GRADE **INDUSTRIAL GRADE**

APPEARANCE **DARK AMBER TRANSPARENT LIQUID**

Industrial grade · Produced by submerged fermentation · Not restricted for transport

OPTIMUM TEMPERATURE	WORKING PH	SHELF LIFE	APPLICATION RATE
50–80 °C	**pH 5.5 – 7.5**	**12 months**	**approximately 1 g/L**
application range 40–100 °C	no optimum stated	sealed, see storage below	diluted 20–30 times before use

SPECIFICATION

IDENTITY

Appearance	Dark amber transparent liquid Typical

WORKING WINDOW

Application temperature	40–100 °C Typical
Optimal operating range	**50–80 °C** Typical
Effective pH range	pH 5.5 – 7.5 Typical

APPLICATION

Application rate	approximately 1 g/L Typical
Dilution before use	20–30 times Typical
Bath ratio (fabric to liquor)	close to 1:6 Typical

Spec = release limit, confirmed on every lot's Certificate of Analysis. **Typical** = normal product behaviour, not a release limit.

STORAGE & PACKAGING

SHELF LIFE
12 months

STORAGE
Sealed container in a cool, dry environment; avoid high temperature, humidity and direct sunlight; good ventilation recommended

PACK SIZE
1 kg bottle

ORDERING
Online or by e-mail; current price on the product page

APPLICATIONS

Desize cotton and other woven fabrics before dyeing
Converts insoluble starch into short-chain dextrins and water-soluble sugars

Desize woven fabrics in multi-process textile workflows
Works without auxiliary enzyme systems

Use appropriate surfactants during impregnation
Improves wetting efficiency of the fabric

Add sodium hydroxide (NaOH) to heavier fabrics during washing if needed
Assists removal of enzymatic degradation products

DOSAGE

1 g/L

approximate application rate; actual rate depends on desizing conditions, sizing composition and fabric type

Bath ratio	**close to 1:6 (fabric to liquor)**
Temperature	**40–100 °C; optimal 50–80 °C**
pH	**pH 5.5 – 7.5**

The enzyme preparation is diluted 20–30 times before use. Shorter incubation times require higher application rate or temperature.

Each lot is released against its specification; the lot Certificate of Analysis reports the measured values.

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Online: enzymes.bio/product/high-concentration-wide-temperature-desizing-enzyme

Enzyme preparations are proteins and may sensitise; avoid skin, eye and inhalation contact. This technical data sheet gives the product specification and typical values; it is not a batch certificate. A Certificate of Analysis for the supplied lot accompanies each shipment. Safety Data Sheet on request.

SCAN TO ORDER