

TECHNICAL INFORMATION

SEGAZYM 2D LIQ.

Amylase

SEGAZYM 2D Liq. can catalyze the starch into water soluble dextrin, oligosaccharides and glucose and suitable for fabric contains starch size in desizing treatment

- Rapid removes the starch to meet the desizing requirement
- Removes the starch size thoroughly under a mild condition at mild acid to neutral pH
- Excellent catalytic property under wide temperature range and suitable for pad-storage, pad-steaming and exhaustion process
- No need for acid, alkali and oxidant during the desizing process
- Little fiber damage
- Excellent biodegradability

PROPERTIES

Chemical Structure	α -amylase
Appearance	Yellowish liquid
pH	4,5-5,5
Density	~1.09 (g/mL)
Solubility	Easily soluble in water

APPLICATION

Exhaust process:

Segazym 2D liq.	0.3-1.0% o.w.f.
Segeprep JW liq.	1g/L
pH	5.0-7.0
Temperature	60-90°C
Time	15-30 min.

Continuous process:

Segazym 2D liq.	0.5-2.0 g/L
pH	5.0-7.0
Temperature	30-85°C

Piece dyeing machine: 2-4 cycles depended on fabric type

Padding and storage: 2-16 hours depends on temperature

Padding and steaming: 2-4 min.

NOTE:

- Dosage of Segazym 2D liq. is depended on the pick-up, 100% pick-up is recommended
- Storage time is according to the fabric type, size type, size concentration and temperature
- Adding penetration agent such as, Segeprep JW when padding the amylase to ensure a thoroughly penetration
- A fully washing after enzyme treatment is highly recommended for excellent desizing effect
Iodine liquid can be used for desizing effect evaluation.
- Desizing effect can be assessed from TEGEWA VOILET SCALE

**Precautions****Safe Use and Transportation**

When the standard hygiene and operating rules are followed, SEGAZYM 2D Liq. does not cause any damage. However, if the product comes into contact with the skin directly for along time or in case of splashes on the skin, it should be washed with water.

Storage: It can be stored for 6 months under 25 °C. Enzyme activity may decrease under high temperature.

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