

ACRYLIC THICKENER R

DESCRIPTION

ACRYLIC THICKENER-R is a new generation polymeric thickener recommended for reactive printing on Rayon/ cotton fabric.

Acrylic Thickener R can be used as a partially substitute to sodium alginate or gum.

Acrylic Thickener R is a safe product as no cooking is required, only high-speed stirring / using shear mixer for 10-15 min. It is eco-friendly product.

Features	Benefits
Acrylic copolymer chemistry	Softer feel and easy washing of printed portion, compared to conventional system.
Creamy paste	Excellent levelling and uniformity
Low back side penetration	Better colour value
Fine particle size	Suitable for fine mesh and sharp print
Soluble in 5 min	No need of cooking. Paste Preparation at Room temperature.

SPECIFICATIONS

pH range	6.5 to 8
Appearance	Translucent Yellow dispersion

ADVANTAGES:

- Since Acrylic Thickener R is water soluble during washing process printing gum is removed easily.
- Cost benefit in case of using Sodium Alginate & Kerosene.
- It helps in preventing tinting of dyes on unprinted portion.

APPLICATION

A. Preparation of Stock Paste

a. Prepare 2.5 to 3.0% Gum Paste by cooking
(Alginate - 2.5 to 3%, Guar Gum – 3 to 6%)

- Allow it to cool down
- Part A is ready

b. Prepare stock paste of 4% Acrylic Thickener R in cold water under continuous stirring

- Part B is ready

B. Printing & Fixation:

1. Steam Ageing Method:-

Take 68.0%	:	Part A
18.0%	:	Part B
10.0%	:	Urea
		(Use Pre-dissolved & Filtered solution)
3.0%	:	Sodium Bicarbonate – NaHCO ₃
1.0%	:	Resist Salt
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100.0%		Part C is prepared

Take desired percentage of Reactive Dye, dissolve in hot water at 70°C temp. Mix the dissolve dyed solution in above stock part –C. Print followed by drying at 125°C temperature, Steam age the dried printed cloth for about 10 minutes at 105°C temperature. Wash it properly.

2. Silicate Padding Method :-

(2.1) Printing

Take

80.0 Kg.	:	Part A
20.0 Kg.	:	Part B
100.0 Kg.		Part C is ready

Take desired percentage of Reactive Dye, dissolve in hot water at 70°C temp. Mix the dissolve dyed solution in above stock part –C. Print, dry and Cure the fabric.

(2.2) Fixation by Padding Mangle:-

90.0 Kg.	:	105° Tw Black Silicate
5.0 Kg.	:	48° Tw Caustic Soda
5.0 Kg.	:	Washing Soda (10 to 15% Solution)
100.0 Kg.		Total

- Keep squeegee pressure to get fabric squeezed properly
- Store squeezed fabric for 12 to 18 hours.
- Wash it by cold water

PACKING: 65 KG HMHDPE OPEN MOUTH DRUM

STORAGE & SHELF LIFE

- Do not store in direct sun or at temperature > 45°C.
- Always keep the lid closed after withdrawal of material from the can.
- Stable for 6 months under normal conditions*, viz. (*if stored in shade at room temperature in a closed container).

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.