



PRODUCT LITERATURE

REATHICK-919

Product Information

Reathick-919 is a sodium alginate substitute for Reactive printing on cellulosic substrates. Reathick-919 exhibit prints with high brightness, high brilliance and high permeability. Reathick-919 has excellent permeability with uniform colour yield. It gives much better and cleaner print than sodium alginate. It is suitable for both, Flat and Rotary screen printing.

Reathick-919 is a non alginate thickener.

Key Features & Benefits

Key Features	Benefits
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Excellent permeability	High brightness, high brilliance with uniform colour yield

General Characteristics

Physical appearance	Off white to creamish viscous liquid
Ionic nature	Anionic
pH of 1% solution	7 +/- 1
Miscibility	Miscible with water
Compatibility	Compatible with anionic and non-ionic products
Stability	Stable to dilute acids and dilute alkalies

Application

For all Dyestuff excluding Navy Blue and Black :

<u>Recommended recipe</u>	<u>Cotton</u>	<u>Viscose</u>
Reactive Dye	x%	x%
Urea	5-10%	10-15%
Sod.Bicarbonate	3-3.5%	3-3.5%
Super R Salt	2%	4%
Reathick-919	3.5-5%	3.5-5%
Water	Balance	Balance

For Navy Blue and black :

	<u>Cotton</u>	<u>Viscose</u>
Reactive Dye	6-7%	6-7%
Urea	5-10%	15-20%
Sod.Bicarbonate	3-3.5%	3-3.5%
Super R Salt	2%	4%
Soda Ash	0.5-1%	0.5-1%
Reathick-919	4-6%	4-6%
Water	Balance	Balance



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Paste Preparation Method:

- It is recommended to use either demineralised water (DM water) or cooled steam condensate water for preparation of paste.
- Take the reactive dyes as per recipe.
- Dissolve in water adding Urea and Super R Salt.
- Then slowly add Reathick-919 to get desired viscosity.
- Add sodium bicarbonate just before printing and if required, adjust viscosity with addition of small quantity of Reathick-919.

Note:

The dosages of thickener and auxiliaries can be adjusted according to actual practice.

Precautions

Storage	Store in cool, ventilated shed away from heat and direct sunlight. Storage temperature should not exceed 35 deg c. Close lids firmly to avoid contact with air and moisture.
Shelf Life	9 months from the date of manufacturing, if stored under controlled conditions.