



Resonance Speciality Chemicals Pvt. Ltd.

ENZYMES

Enzymes for Biopolishing

PRODUCT	pH	PRODUCTION STRAIN	PHYSICAL FORM	DOSAGE (gpl)	APPLICATION
RZYME PLUS	MILD ACIDIC	endo-1,4-β-D-glucanase	Liquid	0.2 - 0.3	Complete bio-polishing of cellulosic knitted & woven fabric on soft flow/jigger machine
RZYME 1000	MILD ACIDIC	endo-1,4-β-D-glucanase	Liquid	0.5 - 0.75	Complete bio-polishing of cellulosic knitted & woven fabric on soft flow/jigger machine
RZYME SP-100	MILD ACIDIC	endo-1,4-β-D-glucanase	Liquid	0.75 - 1.0	Complete bio-polishing of cellulosic knitted & woven fabric on soft flow/jigger machine
RZYME VWL	MILD ACIDIC	endo-1,4-β-D-glucanase	Liquid	1.0 - 1.2	Complete bio-polishing of cellulosic knitted & woven fabric on soft flow/jigger machine

Biopolishing in Dye-bath (Same bath)

RZYME NBL	NEUTRAL	endo-1,4-β-D-glucanase	Liquid	0.75 - 1.0	Same bath bio-polishing & Dyeing. Significant savings in energy, time & water consumption
RZYME NX	NEUTRAL	endo-1,4-β-D-glucanase	Liquid	1.0 - 1.5	Same bath bio-polishing & Dyeing. Significant savings in energy, time & water consumption

Stone Washing Enzymes

PRODUCT	pH	PRODUCTION STRAIN	PHYSICAL FORM	DOSAGE (%)	APPLICATION
RZYME NP	NEUTRAL	endo-1,4-β-D-glucanase	Powder	0.5 - 0.6	High abrasion with marked contrast, minimum back-staining on Denim/Woven/Non Woven garments/fabric. Lower weight loss imparting a <i>heavy look</i> . Almost negligible colour pull on dyed yarn /fabric/piece goods
RZYME XP	NEUTRAL	endo-1,4-β-D-glucanase	Powder	0.8 - 1.0	High abrasion with contrast. Salt and pepper effect on Denims. Low back-staining. Almost negligible colour pull on dyed yarn /fabric/piece goods
RZYME EP	NEUTRAL	endo-1,4-β-D-glucanase	Powder	1.0 - 1.5	Good abrasion. Low back-staining. Almost negligible colour pull on dyed yarn /fabric/piece goods
RZYME LE	MILD ACIDIC	endo-1,4-β-D-glucanase	Liquid	1.0 - 1.5	Versatile product for controlled abrasion as well as bio-polishing of Denims/Wovens/Non Wovens. Very low colour pull on dyed yarn/fabric/piece goods because of only mild acidic pH

Stone Washing Enzyme in Cold Temperature

PRODUCT	pH	PRODUCTION STRAIN	PHYSICAL FORM	DOSAGE (%)	APPLICATION
RZYME CP	ACIDIC	endo-1,4-β-D-glucanase	Powder	0.5 – 1.0	High abrasion at room temperature thus effecting substantial saving in energy cost.
RZYME COOL	ACIDIC	endo-1,4-β-D-glucanase	Liquid	1.0 – 1.5	High abrasion at room temperature thus effecting substantial saving in energy cost

Desizing

PRODUCT	pH	PRODUCTION STRAIN	PHYSICAL FORM	DOSAGE (gpl)	APPLICATION
RZYME MTB	NEUTRAL	Alpha Amylase (<i>Bacillus amuloliquefaciens</i>)	Liquid	0.5 - 1.5	Mid temperature desizing agent for complete removal of starch size by hydrolysis
RZYME HTB	NEUTRAL	Alpha Amylase (<i>Bacillus amuloliquefaciens</i>)	Liquid	0.5 - 1.5	High temperature desizing agent for complete removal of starch size by hydrolysis
RZYME CTB	NEUTRAL	Alpha Amylase (<i>Bacillus amuloliquefaciens</i>)	Liquid	1 - 2	Room temperature desizing agent for complete removal of starch size by hydrolysis

Peroxide Killing

RZYME PK	6 to 10	Catalase	Liquid	0.3 – 0.5	Removes residual hydrogen peroxide in bleach bath by degradation.
----------	---------	----------	--------	-----------	---

Bio-Scouring

RZYME ECO	NEUTRAL	Pectinase with additives	Liquid	2 - 4	Removes waxy impurities by breaking down pectin in primary cell walls of cotton fibre.
-----------	---------	--------------------------	--------	-------	--