

Textile acid cellulase enzyme for Biofinishing

Use	Anti-pilling finishing of woven and knitted fabrics and garments made of cellulosic fibres, especially Lyocell, rayon, cotton and cotton/polyester blends
Properties	<p>gives fabrics a soft, elegant handle</p> <ul style="list-style-type: none"> - wide pH and temperature range , with minimum loss of efficacy -permanent effects - reduces hairiness and tendency to pilling - favorable ecological profile
Chemical Characteristic	Enzyme product
Technical Data	<p>Appearance:light brown liquid pH:5.5 - 6.5 Shelf life:6 months in closed original containers at temperatures below 30 °C</p>
Application	<p>YokozyeBP-AC002 is a special enzyme which weakens the microfibrils on the surface of cellulosic fibres. Treatment with this product improves the handle of the goods, making it softer and more elegant. The effect is permanent and gives most fabrics a smoother, less hairy surface with less tendency to pilling. This may be used to good advantage in the treatment of cellulosic wovens and knit goods. Bast fibres such as linen should be treated very carefully as there is an increased risk of fibre damage. When treating such fibres , apply small quantities of YokozyeBP-AC002(0.3 - 0.5%) at low temperatures (30 - 40 °C) and keep the treatment time to a minimum (20 - 30 min). In principle treatment may be carried out at any point in normal finishing processes. It is particularly effective after desizing, bleaching, scouring or dyeing.</p> <p>The product should be applied on units with strong mechanical action such as jets, overflow dyeing machines or drum type washing machines.</p> <p>Typical recipe</p>

	<p>0.5 - 1%YokozyneBP-AC002</p> <p>0.5% sodium acetate</p> <p>0.5% acetic acid 60%</p> <p>Liquor ratio5:1 to 20:1, depending on type of machine</p> <p>Treatment time: 10 - 45 min/50 - 55 °C</p> <p>Alternatively, treatment is possible with only a slight reduction in enzyme activity at pH 4.5 - 6.5 and a temperature of 40 - 60 °C, depending on the machine and material.</p> <p>The reaction should be halted after treatment by adding alkali (soda ash or caustic soda) to set the pH at over 9 or by alkaline postscouring at over pH 9.</p> <p>Treatment with YokozyneBP-AC002 has no impact on dyeing, bleaching and finishingsteps. The handle of the goods may be modified further by applying the usual softening agents, especially silicone micro-emulsions.</p> <p>Treating cellulosic fibres with YokozyneBP-AC002 reduces tensile strength. If the weight loss is 3 - 5%, the reduction in tensile strength is usually 10 - 20%.Particular attention must be paid to the reduction in tensile strength when treating bast fibres. Pretrials should always be carried out to check tensile strength before treating new fabrics. Treatment after dyeing can alter the shade of the goods as it modifies their surface structure.</p>
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