

COTOBLANC® STM

Characterisation	Concentrated special product for aftersoaping of reactive dyes and reactive prints based on CHT polymer technology
Chemical Composition	Mixture of polymers with affinity to dyes
Appearance	Clear yellow liquid
Ionic Character	Slightly anionic
pH Value	6.8 - 7.8
Specific Weight at 20 °C	1.02 - 1.08
Stabilities	<p>COTOBLANC® STM is well stable to alkali and hardeners in the usual concentrations.</p> <p>The product is sensitive to cold to a certain extent and should not be stored at temperatures below 5°C. The changes that occur at low temperatures disappear when heated and after good stirring and have no effect on the product properties.</p>

The above given values are product describing data. Please consult the 'delivery specification' for binding product specifications. Further data about product properties, toxicological, ecological data as well as data relevant to safety can be found in the safety data sheet.

Properties

With COTOBLANC® STM, an innovative and excellent chemistry is available for aftersoaping reactive dyes and reactive prints. This product is particularly strong in removing unfixed reactive dyes/hydrolysates, in preventing the soiling of white (and/or lighter) parts of prints, stripes and dyes.

The product forms a strong complex with the unbound hydrolysed reactive dye which is stronger than the substantivity of hydrolysate in salt and electrolyte containing liquors. This is why COTOBLANC® STM is so effective in salt containing and colour liquors. This means that the product can be dosed completely in countercurrent on continuous machines. Due to its high effectiveness and stability in alkaline liquors, the product can also be added in the first washing baths when washing off reactive inkjet prints.

Due to the new formulation and its chemical composition, COTOBLANC® STM works in acidic, neutral to strongly alkaline liquors and thus meets all possible washing, soaping and rinsing requirements for continuous soaping of reactive prints and dyes. Therefore, an exact pH adjustment is not necessary, and can be adapted individually to the customer-specific conditions and processes.

Aftersoaping is usually carried out at boiling temperature. In order to avoid negative effects on the contact fastnesses on fibre blends, p.ex. PES/CO, good results can already be obtained during the aftersoaping at 80°C.

Main application fields

COTBLANC® STM has not only a good post-wash effect but also calcium binding capacity, so that good soaping results can also be achieved with hard water.

COTOBLANC® STM is primarily recommended on plants for whole width material and ropes.

Furthermore COTOBLANC® STM is very well suited for the afterwashing of reactive prints. It prevents bleeding on the white ground and of white or coloured discharge effects in the afterwashing of prints.

Bleeding of the light colours or white is largely prevented when re-washing goods knit or woven with reactive dyed yarn, e.g. striped goods.

Diluting Instructions

COTOBLANC® STM can be mixed with cold water at any ratio.

Application Amounts and Soaping Temperatures

The required quantity of COTOBLANC® STM to be used depends on the amount of dye hydrolysate. Since the product is not pH sensitive, it can be dosed in the counterflow of continuous machines.

Continuous treatment

0.5 - 3.0 g/l COTOBLANC® STM

Temperature: 60 - 98 °C

Mechanics and high liquor throughput promote the wash-out effect.

We reserve the right to modify the product and technical leaflet.

Our department for applied technique is always at your service for further information and advice.

Our technical advice and recommendations given verbally, in writing or by trials are believed to be correct. They are neither binding with regard to possible rights of third parties nor do they exempt you from your task of examining the suitability of our products for the intended use. We cannot accept any responsibility for application and processing methods which are beyond our control.

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CHT GERMANY GMBH, P.O. Box 12 80, 72002 Tübingen, Bismarckstraße 102, 72072 Tübingen, Germany

Telephone: 07071/154-0, Fax: 07071/154-290, Email: info@cht.com, homepage: www.cht.com

CHT TURKEY KİMYA SAN. VE TİC.A.Ş., Akçaburgaz Mah. 3118. Sok. No:2 Esenyurt/İstanbul, Tel: +90 212 886 79 13, Fax:+90 212 886 93 47,

Email: info.turkey@cht.com