

®  
**TUBOBLANC RUB**

<b>Character</b>	Optical brightener for cellulose fibres	
<b>Chemical character</b>	Stilbene derivative	
<b>Appearance</b>	Light brown to yellow liquid	
<b>Ionic character</b>	Anionic	
<b>pH-value of a 10 % solution</b>	9.0 ± 1	
<b>Specific weight at 20 °C</b>	Approx. 1.1	
<b>Stabilities</b>	hypochlorite bleach	unstable
	chlorite bleach	unstable
	peroxide bleach	excellent
	hydrosulphite bleach	excellent
	acid / alkali	excellent
	stability to water hardness	up to approx. 30 °dH (German hardness)
	resin finishing/finishing (in case of nitrate catalysts an afterwashing is necessary)	excellent (pH > 3.5)
	The product is sensitive to frost to a certain extent; changes occurring at low temperatures will disappear after heating and thorough stirring.	
<b>Storage</b>	On proper storage in closed original containers, the product is stable for at least 12 months	

**Properties**

TUBOBLANC RUB is a brightener with low to medium affinity with red-violet, very brilliant white shade. Because of its affinity we recommend to add salt for complete bath exhaustion if it is used in discontinuous procedures (bleach with peroxide/reducing agents).

When applying optical brighteners which are very sensitive to heavy metal ions it must be considered that the heavy metal ions may impair the fluorescence. This can be avoided by adding a sequestering agent, e. g. HEPTOL ESW.

® =registered trade mark

## Application technique

### Diluting instructions

TUBOBLANC RUB can be diluted with hot and cold water in every ratio or it can be added continuously over dosing pumps. The diluted solutions or prepared stock solutions should be protected from direct light radiation.

### Fields of application

TUBOBLANC RUB is mainly used for continuous application. It can also be applied in finishing or resin finishing. The pH-value of the liquors should be above pH 3.5. When using nitrate catalysts afterwashing is necessary because nitrate remainders will impair the light fastness and will cause a yellowing of the material. TUBOBLANC RUB also gives very good brightening effects in discontinuous treatments. However, it is of advantage to add salt for means of increasing the substantivity.

### Recipe proposals

#### Cotton fibres:

Padding method: 2.0 - 8.0 g/l TUBOBLANC RUB

impregnate  
dry

Continuous under-liquor bleach: Concentration of the stock liquor  
5.0 ml/l CONTAVAN VAN  
3.0 ml/l FELOSAN NKB  
4.0 - 6.0 ml/l NaOH 50 %  
10.0 - 20.0 ml/l H<sub>2</sub>O<sub>2</sub> 35 %  
2.0 - 4.0 ml/l TUBOBLANC RUB

bleach for 20 - 30 min at 85 °C  
rinse hot and cold

Cold bleach: 5.0 g/l CONTAVAN TIG  
5.0 - 10.0 g/l FELOSAN NKB  
15.0 - 50.0 ml/l NaOH 50 %  
30.0 - 60.0 ml/l H<sub>2</sub>O<sub>2</sub> 35 %  
2.0 - 8.0 g/l TUBOBLANC RUB

impregnate at 25 - 30 °C  
dwell at room temperature for approx. 20 h  
rinse hot and cold

**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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