
TUBISCREEN DC AGENT

Character	Reduction and discharge agent for the pigment discharge process
Chemical character	Zinc hydroxymethane sulphinate
Appearance	White powder
pH-value	3.5 – 5.2 (100 g/l , 20°C)
Stabilities	The product is very sensitive to frost; irreversible changes occur after the impact of temperatures around the freezing point.
Storage	Store cool and dry in closed original containers in acid-free air. We recommend not to exceed a storage time of 12 months.

Properties

TUBISCREEN DC AGENT is applied as discharge agent for the pigment discharge process on cellulosic fibres. The dyestuff is destroyed on some parts of predyed fabric in order to achieve a certain pattern. Dyestuffs must be selected which can be discharged with TUBISCREEN DC AGENT. Detailed information on the dischargeability can be generally found in the shade cards of the dyestuff manufacturers or may be requested from them.

If the temperature is not properly guided, the fibres may be damaged, in particular those of sensitive fabric qualities. We recommend to wash off the printed pieces after the fixation to remove excess discharge agent.

Recommended Recipe

95 – 82 %	PRINTPERFECT DC 8
0 – 8 %	dyestuff
5 – 7 %	TUBISCREEN DC AGENT
0 – 5 %	TUBASSIST FIX 102 W

The finished print paste ought to be processed within 1 – 2 days.

The powdery TUBISCREEN DC AGENT must be stirred in sufficiently long, particularly with very cold print pastes, until it has completely dissolved.

The application amount of TUBISCREEN DC AGENT depends on the dischargeability of the fabric quality. Good results are achieved with the above mentioned recipe.

Working Procedure

1. Print with a good penetration (125 mesh rotary screen or 43 – 68 S/T flat bed screen)
2. Drying and dry heat fixation for 4 – 6 minutes at 150 – 170°C
3. Final washing or rinsing process

The colour of the material is destroyed by humidity and heat, automatically produced in a one step drying and curing process. Therefore a predrying should not be carried out.

If the final user carries out the washing or rinsing process which we recommend after the fixation, the corresponding labels (e.g. wash before wearing) must be sewn into the fabrics. Moreover, a complete decomposition of the discharge agents through corresponding fixing terms must be given to avoid shadow discharge effects when the fabrics are piled or odour when the fabric is directly packed into plastic bags. Problems may also occur with dust or residual salt amounts on the fabric during processing or when sewing garments.

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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