

Luminophore MST Liq.

Optical Whitener For Cellulosic Fibres

Luminophore MST (Liq.) gives excellent results in padding applications especially during resin treatment.

Appearance Luminophore MST (Liq.) is a yellow liquid.

Solubility Luminophore MST (Liq.) is totally miscible with water.

Solutions of 1 g/l Luminophore MST (Liq.) have a pH of 8.5 - 10.5.

Affinity Luminophore MST (Liq.) is a low affinity brightener suitable for padding. Due to its low affinity there is no danger of tailing between ends.

Shade The shade of white effects obtained is a bluish violet white. If a tinted product is required for a bright blue effect Luminophore MST is recommended.

Fastness Stability The fastness of the white effect and the stability of Luminophore MST (Liq.) is listed in the table at the end of the circular.

Hard water has no adverse influence on the white effect. However, iron and, to a far less extent, copper compounds impair the white effect and treatment may be carried out on machines made of these metals only if the surfaces have been rendered inert.

If there is any risk of iron or copper compounds reaching the whitening bath it is advisable to add a chelating agent. Solutions of Luminophore MST (Liq.) are sensitive to light. Stock solutions must, therefore, be kept away from light.

Application Luminophore MST (Liq.) is particularly suitable for application in crease-proof finishing liquors, primarily in reactant finishes. They give very good brilliant white effects. These products are fully effective upto pH-1 in reactant liquors. If the goods have been cured with a catalyst containing nitrates, they have to be washed carefully to avoid strong brown discolouration on exposure to light.

Luminophore MST (Liq.) gives very good white effects in padding either in plain water or with resin finishes. The material is padded with Luminophore MST, then dried to a moisture content of 8% and batched for 24 hours. The batching time depends upon the nature of the goods and upon the required standard of whiteness and crease recovery. After the batching, the goods are washed off. (See directions given in method of application)

A few trial applications should be made to establish the quantity best suited.

Stripping Luminophore MST (Liq.) can be stripped from the goods using a sodium chlorite bleach.

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METHODS OF APPLICATION :

Padding

Luminophore MST(Liq.)(in soft water)	g/l	4 - 20
Liquor picks up	%	70 ± 10
Drying	°C	110- 130

Resin Finish

Luminophore MST (Liq.) (in soft water)	g/l	6 - 20
Liquor pick up	%	70 ± 10
Drying	°C	110 - 130

Soft Finish

Luminophore MST (Liq.)	g/l	6 - 20
Liquor pick up	%	70 ± 10
Drying	°C	110 - 130

FASTNESS PROPERTIES : -(Luminophore MST LIQ on the fibre)

light	good
washing:test (60°C)	good
washing:test (95°C)	moderate
chlorine	satisfactory
alkali	good
acid	good
perspiration	good
heat (e.g. sanforizing)	good

STABILITY : (Luminophore MST LIQ in the bath)

hydrogen peroxide -bleaching liquors	very good
sodium chlorite - bleaching liquors	not stable
Reductive bleaching liquors	
(hydrosulfite base)	good
alkali	very good
acids	not stable
below	pH 3.5 to 11

(Our publications are intended to render information on the best possible application of our products.
Recommendations are given according to our best knowledge and belief, but without engagement.)

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