

# Luminophore ERB

*(Fluorescent Whitening Agent for Polyester fibres and their blends)*

<b>Chemical Basis</b>	Aqueous dispersion of styrylbenzene derivative
<b>Colour Index Number</b>	FWA C.I.199
<b>Ionicity</b>	Non-ionic
<b>Form</b>	Blush to Green dispersion
<b>PH of a 10% dispersion</b>	4.5 to 5.5
<b>Dispersion Properties</b>	Miscible in cold water in all proportions
<b>Shelf life</b>	When stored in its original sealed container, Luminophore ERB, has a self-life of about 1 year.
<b>Light fastness</b>	5 - 6

## SPECIAL PROPERTIES

- Excellent Whiteness Maximum
- Owing to its high yield, Luminophore ERB is very economical.
- Luminophore ERB can exhibit very good suitability by exhaustion or padding process.
- Luminophore ERB, as dispersed in water, is neutral and stable to acids and alkalis, giving good optical whitening effect at a wide range of pH value (3.0 to 9.0)
- Luminophore ERB has an inherent Bluish hue, additions of a violet disperse dye, 0.1% to 0.2% on the weight of Luminophore ERB would help increase whiteness and adjust colour shade.
- Luminophore ERB exhausts almost completely under HT conditions. It has low affinity at the boil but uptake can be improved by addition of suitable carriers.

## NOTES ON APPLICATION

### Exhaust application

In the exhaust process it is recommended to heat the bath rapidly to 90° C, if the product is applied at 100° C, a suitable carrier must be added.

Carrier process	0.1% to 0.3% Luminophore ERB
HT process (15-30 mins. at 130° C)	0.1% to 0.4% Luminophore ERB

### Continuous process (Pad Thermosolling)

Luminophore ERB produce an excellent brilliant white effect at thermosol temperature of 170° C to 210° C.

Curtains	1 to 5 g/l Luminophore ERB
Knitted fabrics	1 to 2 g/l Luminophore ERB (adjust pH to 3.5 of the liquor)

AS IS THE CASE WITH ALL DISPERSIONS, LUMINOPHORE ERB MAY TEND TO SETTLE DOWN ON PROLONGED STORAGE. IN SUCH A CASE, SIMPLE STIRRING SHALL RETURN THE PRODUCT TO ITS ORIGINAL FORM.



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