

GOLDBLANC BH2B

Optical brightener with bluish shade for cellulosic fibers and their blends.

Features and Benefits:

- Optical brightener with high affinity.
- Excellent wash fastness even when is applied at high temperature.
- Luminous white with high degree of whiteness.
- Excellent whitening effect and blue-violet shade reproducibility.
- Homogeneous product with no tendency to sedimentation, ensuring the reproducibility batch to batch.
- Excellent stability to alkali, hydrogen peroxide and electrolytes, indicated for discontinuous bleaching process with hydrogen peroxide.
- Good light and wet fastness.
- The product has good stability if it is stored according to SDS guidelines.
- This product fits the requirements of ZDHC program (Zero Discharge of Hazardous Chemicals).

Physicochemical parameters:

Aspect	Blue liquid.
Chemical Nature	Aqueous composition of stilbene derivate.
Ionic character	Anionic.
Specific weight (25°C)	Approx. 1.2 g/ml
Solubility	Soluble at 25°C, under stirring.
pH (such as)	9.5 – 11.5
Compatibility	Compatible with anionic and nonionic products, however it is recommended previously tests.
pH stability	7.0 – 12.0
Fastness properties	See table below.

Fastness properties			CEL
Light		ISO 105-B02	3
Laundering*	40°C	ISO 105-C06/A1S	5
	60°C		4 – 5
	95°C	ISO 105-C06/E2S	4
Perspiration	Alkaline	ISO 105-E04	5
	Acid		5
Dry Heat	30s / 180°C	ISO 105-P01	5
Oxides of nitrogen	1 cycle	ISO 105-G04	5
	2 cycles		4 – 5

* The grading of fastness is kept even the wash bath has a reductive bleaching agent (sodium hydrosulfite) or oxidizing agent (hydrogen peroxide).

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Application:

The product can be applied in neutral and alkaline bath, with or without the addition of electrolytes, specially for regenerated cellulose. It is preferable in conjunction with bleaching with hydrogen peroxide.

Dissolution / Dilution	Miscible in hot or cold water in all proportions. The solutions should be stored in the dark, away from light.
Recipe suggested	0.3 – 0.7% Goldblanc BH2B.
Bleaching with hydrogen peroxide plus simultaneous optical bleaching	- 0.5 – 1.0 g/l Goldpal UHN
	- 0.5 – 1.0 g/l Goldstab OX
	- 5.0 g/l Caustic Soda 50%
	- 5.0 – 6.0 ml/l Hydrogen peroxide 50%
	- 0.3 – 0.7% Goldblanc BH2B
	- Liquor ratio: 1:8
	Time / temperature:
	- Without chemical bleaching: 15 – 30 minutes at 80 - 60°C
	- With chemical bleaching: 20 – 60 minutes at 120 - 90°C

For data of security, ecological and toxicological, see the Safety Data Sheet (SDS).

Note: Given the variety of substrates and applications processes, the information provided with fidelity should be understood as a guidance tool, therefore we cannot be responsible for any damages resulting from an inappropriate use. The data contained in this technical informative are based on current knowledge and applications of our products performed. Additional information can be obtained from our technical department. Review: 01/12/2018.