

GOLDBLANC PA NEUTRO CONC.

This product is an optical brightener for fibers of polyamide and proteics with a neutral nuance.

Features and Benefits:

- Very good stability to reducing agents, the application of optical brightener may be done simultaneously in the process of reductive bleaching by exhaustion. It is also recommended for the process by pad-thermofixation and pad-steam.
- It has excellent fastness properties.
- This product fits the requirements of ZDHC program (Zero Discharge of Hazardous Chemicals).

Physicochemical parameters:

Appearance	Greenish yellow powder
Chemical nature	Derived from distyrylbiphenyl
Ionic character	Anionic
Solubility	Soluble at 30°C. (25 g/l) Soluble at 70°C. (100 g/l) Soluble at 90°C. (250 g/l)
Compatibility	Compatible with anionic and nonionic products, but it is recommended previously test.
Fastness properties	See table below

Fastness properties			PA	WO - S
Light		ISO 105-B02	4	2 - 3
Washing	40°C	ISO 105-C06/A1S	5	5
	60°C	ISO 105-C06/A1S	4 - 5	---
	95°C	ISO 105-C06/E2S	3 - 4	---
Chlorinated water / seawater		ISO 105-E03/E02	5	---
Sweat	Alkaline	ISO 105-E04	4 - 5	4
	Acid		4 - 5	4
Dry heat	30s / 180°C	ISO 105-P01	5	---
Oxides of nitrogen	1 ciclo	ISO 105-G04	5	---
	2 ciclos		5	---

Application:

Goldblanc PA Neutro conc. must be applied in soft water or in the presence of complexing agent indicated.

Polyamide, wool and silk

By exhaustion process: from slightly acid bath, preferably with sodium hydrosulfite.

By continuous process: can be applied in a polyamide by pad- thermofixation and pad-steam.

Dissolution / Dilution:

Dissolve by pouring hot water on the product. If necessary, boil briefly bath.

Solubility: at boiling 250 g/l and at cold: 65 g/l.

The solutions should be stored in the dark, away from light, for an indefinite period. This should be considered for the articles treated with optical brightener, if not set.

GOLDBLANC PA NEUTRO CONC.

Recommendation for use:

By exhaustion process (PA):	0.1 – 0.45% of Goldblanc PA Neutro Conc.
Pad-thermofixation, pad-steam or acid shock:	1.0 – 4.5 g/L (pick-up 80-100%)
Recommendations for use (WO - S)	0.1 – 0.45% of Goldblanc PA Neutro Conc. 0.1 - 0.45% of Goldblanc PA neutro conc. 0 - 3.0 g /l of sodium hydrosulfite, stabilized 1 - 2 g /l of Goldcom TA
Suggestion revenue: exhaustion process	1 g/L of Goldpal YN pH 4 - 5 with acetic acid or citric acid Time / temperature 40 - 60 minutes at 80 - 100°C Liquor ratio: 8/1 to 20/1

A final neutralization of residues of reducing agent (with approx. 0.5 ml/l of hydrogen peroxide at 50%) is recommended to avoid an unpleasant smell and yellowing during the subsequent drying. The adding of 1-2% of Goldpret DS is recommended for protection against yellowing of white articles in storage, caused by the absorption of phenolic antioxidants with nitrous compounds. Additionally, the final pH of the substrate should be slightly acidic (pH 5-6) with application of non-volatile organic acid.

Suggestion revenue:

By Pad-thermofixation process:	1.0 - 4.5 g/L of Goldblanc PA Neuto Conc. 1 - 2 g /l of Goldpal NRA pH 4 - 5 (with citric acid) Impregnate: pick-up 60-80% Dry Termofix 20 seconds at 180-190°C
---------------------------------------	--

Information storage, security and Safety Data Sheet handling (SDS).

Note: Considering the variety of substrates and applications processes, the information provided herein faithfully, shall be construed as guidance instrument, so we cannot be held responsible for any damages resulting from improper applications. The data contained in this technical information are based on current knowledge and current investments made of our products. Additional information may be obtained from our technical department. Rev. 06/21/2016