

ITOWHITE CXT is a high substantive optical brightening agent with excellent build up characteristics. It is highly effective when applied to cellulosic fibres via exhaustion techniques from a peroxide bleaching bath, from either jet, winch, and package machinery.

PROPERTIES

- **Appearance** : Pale Yellow Coloured Liquid
- **Main Ingredient** : Stilbene Derivative
- **Ionic Character** : Anionic
- **Solubility** : Miscible (but solution will become cloudy on standing - this is not detrimental)
- **Relative Density** : 1.17
- **Shade** : Blue Violet
- **Storage** : This product should be protected from frost
- **Fastness** :

	Light Fastness (Blue Scale Ratings)	Wash Fastness	
		ISO3	ISO4
Cotton	4-5	4	4
Nylon 6	4	4	4
Nylon 66	4	4-5	4-5

APPLICATION

In Exhaustion:

- **ITOWHITE CXT** : 0.5-1.0 %
- **Liquor Ratio** : 10:1, at 100°C for 60 min.
- **Dehydrating and Drying** : 100°C

ITOWHITE CXT is not suitable for use in kier bleaching as it is too substantive, ITOWHITE CPB CONC is recommended. ITOWHITE CXT is most commonly applied from a hydrogen peroxide bleaching bath.

DISCLAIMER

The information herein offered is based on the best of our knowledge at present. However, we are not able to guarantee these matters, as the result of application may vary according to conditions adopted. Preliminary tests are, therefore, recommended in all cases. Please refer to MSDS regarding handling of the products.

APPENDIX

1. Application To Cotton And Viscose - Exhaust Method

The usual method is to apply ITOWHITE CXT from a hydrogen peroxide bleach bath. Typical bleaching recipes are as follows:

a) WINCH OR JET BLEACHING

Hydrogen peroxide 35% (W/W) : 8.0 mls/L

Caustic Soda (solid) : 0.5 g/L

NEORATE PLC7000 : 1.0g/L

ITOWHITE CXT : 0.5-1.0%

b) JIG BLEACHING

Hydrogen peroxide 35% (W/W) : 3 - 5%

Caustic Soda (solid) : 1 - 1.5%

NEORATE PLC7000 : 1 - 1.5%

ITOWHITE CXT : 0.5-1.0%

c) PACKAGE BLEACHING

Hydrogen peroxide 35% (W/W) : 13.0 mls/L

Caustic Soda : 0.5 g/L

NEORATE PLC7000 : 1 - 2 g/L

ITOWHITE CXT : 0.5 - 1.0%

Bleaching is normally carried out for one hour, the whitening effect is usually maximised by cooling back to 60°C at the end of the bleaching process.

2. Application To Polyester/Cotton Blends

The bleaching of polyester/cotton blends is generally carried out with bleach liquors similar to those used for 100% cotton fabrics as detailed in SECTION 1.

Typical application levels are as follows:

ITOWHITE CXT:

0.5 - 1.0% on weight of cellulosic component

ITOWHITE EWF 250%:

0.5 - 2.0% on weight of polyester component

The bleaching process can be carried out in high temperature machinery, the processing temperature can be increased to 120°C - 130°C for a further 20 minutes to exhaust the polyester OBA. Alternatively the exhaustion of the polyester OBA can be assisted by the addition of a carrier to the dye bath.

3. Application Of Cationic Softeners

In order to preserve the whitening effect produced by ITOWHITE CXT when applying a cationic softener or stitch lubricant, it is important to control the pH of application.

Providing the pH of the softening bath is above 5.0 - no problems of yellowing due to excess acidity should be encountered.