

Ecotex 60 Series PVC Free Plastisol Inks

Product Statement and Key Features:

Ecotex 60 Series inks show no build up on wet-on-wet printing, low pick up – improving productivity.

High Opacity – Ideal for use on dark backgrounds, resulting in prints with high visual impact. Prints exhibit soft hand characteristics.

Suitable for both natural fibre and polyester fabrics.

Excellent washfastness.

GOTS approved inks by Ecocert Greenlife.

Ecotex 60 Series Technical Data:

Ecotex 60 Series inks are a range of pvc free plastisol inks designed for printing of most natural and synthetic fabrics used in the t-shirt, sweatshirt and sports apparel markets.

Printing and Curing Information:

Mesh selection is critical for optimum results, meshes in the range 43T – 120T are recommended, image type and fabric will dictate the most appropriate mesh grade, please consult with **Afford** technical services for further guidance.

Most stencil types are suitable, **11.170 (photopolymer)** and **11.701 (diaz)** are recommended.

Prints must be cured at a minimum of 180°C to ensure full washfastness properties, differences in applied filmweight and fabric will influence the curing cycle, as a guide 90 seconds to 3 minutes is typical.

It is essential that the printed ink film is given time to fully cure to ensure full washfastness is achieved and it is the user's responsibility to confirm the cure schedule by testing washfastness and suitability prior to commencing a full production run.

Flash Curing:

Under optimum conditions, a flash time of 6 seconds can be achieved, however there are many contributory factors influence the flash cure cycle including distance from the fabric, wavelength of the flash unit in use, fabric colour, printed ink filmweight and coverage.

Washfastness:

Ecotex 60 Series prints exhibit good washfastness, passing 40 washes at 40°C for 30 minutes.

Note*: Washfastness properties can be compromised with the use of harsh detergents and high wash temperatures and some colour combinations may result in a colour fade, this is particularly relevant with tints and pastel shades and the user must test washfastness before commencing a production run.

Prints will not resist dry cleaning and the finished garment must be marked accordingly.

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Thinning and Wash Up:

Ecotex 60 Series are formulated as ready for use, however if thinning is deemed necessary to improve flow 2-5% of **60.DIL** by weight can be used. In case that a higher viscosity is needed to create very accurate definitions or high volume printing, 5% of **60.THK** can be added.

Washing up of screens should be carried out using **52.001 screen wash**.

Applications:

Most woven and knitted fabrics typically used for T-Shirts, Sweatshirts, Sports and Fashion wear, hats & caps.

Fabrics:

Suitable for use on most commonly available natural and synthetic fibres, Cotton, Cotton/Pol-yester blends and many other synthetic fabrics.

Transfer Printing:

60 series is not intended for transfer printing.

Safety Information (Handling Instructions) (Disposal) (Shelf Life):

Please, refer to the MSDS in relation to the safety measures for handling. **60 series** colors have a shelf life of one year from the date of production.

Product description:

Ecotex 60 Series is a PVC free plastisol developed for textile printing by screen printing process. It has good adhesion on any sort of fabric, providing a solid, flexible and well defined image. Its washing performance is perfect. Its high covering power is another feature to take into account. It permits overprinting. Contrary to many competition pvc free plastisol, it shows high stability with time.

Colour Range Table:

