

DESCRIPTION

Water based flexible textile ink formulated for printing on cotton and many synthetic light and dark coloured fabrics. On untreated nylon the inks can be used with the use of extra 3 % crosslinker 105.

MAIN PROPERTIES

- Sebaflex colours show a good opacity. Beside the standard colours also different super opaque colours are available;
- Very soft handling;
- Highly flexible and stretchable;
- The prints are iron-proof;
- SEBAFLEX is free from phthalates, PVC, APEO, formaldehyde, ... and is formulated to fulfill the most exigent requirements (Oeko Tex 100 Class 1).

PRINTING RECOMMENDATIONS

A mesh **P 34 – 43 T** for thick ink layers, up to **77 T** for printing finer details.

DILUTION

The inks are ready to use. When necessary the inks can be diluted with water or 5 - 8 % retarder 041. Crosslinker 105 & 106 are available to improve the polymerization of the inks.

DRYING

The printed inks should be dried in a heating oven at 150 - 170°C during 3 minutes. By adding 2 - 3 % Crosslinker 106 the drying temperature and time can be reduced to 2 minutes at 130°C.

STENCIL

Water-resistant photographic emulsions should be used.

AUXILIARIES

3 % Crosslinker 105 is added to the ink to improve adhesion on synthetic garments (e.g. Nylon) or to improve the general washing resistance. The Crosslinker 105 will not harden or polymerize the ink in the can. The ink/crosslinker mixture has a shelf life of 24 hours. After that period the crosslinker 105 is no longer active and a new quantity of crosslinker should be added.

1 % Crosslinker 106 will help to polymerize the ink and to obtain a good washing resistance. In combination with the crosslinker 106 the print must still be dried at 130°C during 1,5 – 2 minutes.

Thickener 092 is an easy to stir in thickener that can be used to increase the viscosity of our printing pastes. In order to develop the thickener in the inks, the product should be thoroughly mixed in with a mixer.

Wet on wet additive 082 3 - 5 % can be added to the ink to improve the printability and to reduce the stickiness and the blocking of the ink during printing.

Retarder 032 Sebaflex inks are ready for use. If necessary up to 10 % retarder can be used in the ink to overcome screen clogging problems during printing in hot conditions or when printing very fine details.

Transparent Base 110.840 & Opaque Mixing White 110.750

The printer can make his own colours combining Opaque Mixing Base 110.750 and Transparent Base 110.840 with the pigment pastes from the series 120.

STABILITY, STORAGE and HANDLING

The product will be stable for a 1 year's period if kept in the original closed packaging, at room temperature.
Prevent the SEBAFLEX 110 from freezing.

SAFETY

We refer to the material and safety data sheet for detailed information about safety and handling of our SEBAFLEX inks, prior to use. All inks are formulated to meet the Oeko-Tex 100.

WARRANTIES

The data and information given in this sheet is based on our present experiences. SEBEK INKS Sprl does not warranty the use or application of their products it manufactures or supplies. Our only obligation shall be to replace any defective products supplied by us or to refund the original price of the product after we have determined it to be defective. We assume no liability for any other loss or damage caused direct or indirect by our products. It is absolutely necessary to make printing trials prior to start the entire production.