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SCREEN PRINTING INK TECHNICAL DATA SHEET

Series : 31.000 K- PRINT FORMULA MIX

Type of product:

Pigments in water bases selected for mix systems.

Free from phthalates, nonylphenols, pesticides, heavy metals, etc...

All the products in the K-PRINT 31.000 FORMULA MIX series contain no substances that are considered harmful for the environment or for human health.

Technical characteristics

The range of products in the - Print 31.000 Formula Mix series K is composed of a neutral clear base, ten basic pigments and a formulary.

The K- Print 31.000 Formula Mix pigments need to be mixed with the glossy elastic clearbase K00 Slow Dry (76 100) according to our formulas.

This way you can obtain all the colour shades of the swatches used in the textile print sector. In addition, during the printing phase, the slow drying main characteristic is ensured by this mixing, together with an excellent print fastness which is required for fabric printing applications.

Instructions for use

After choosing the shade, prepare the colour using our formula, then print with a 55-thread screen as our formulas are calculated for 55-thread printing.

If the fabric is elastic with deep ribs we recommend you use a 43-thread screen, flash-drying the first print and printing a second time on the first print.

It is very important for the first print to penetrate inside the fabric ribs, so the second print will give continuity to the colour by adhering perfectly to the fabric printed while stretched out.

Our formulas have been studied to obtain the same colour shade on both dark and light backgrounds.

Slow colour drying makes it possible to print with 62-77-90 threads.

Our formulas can be modified by the printer by increasing the quantity of pigment or clearbase depending on the level of opaqueness required.

However we recommend you do not exceed a total pigment proportion of 20% of the clearbase. This percentage does not include the proportion of white pigment, which can be increased without any problems, bearing in mind that this is not a ready-to-print white.



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If during the print phase there is a prolonged stop and the colour partially dries up, we suggest you run one or two prints on some scrap fabric to clean the screen, and spray some water on it so that the colour will be printed regularly.

During the stop, it is important to keep the print screen always full of ink.

Drying

Prints made with the “K- Print Formula Mix “system can only be dried by heat setting in a hot air oven at 160°C for 3 minutes.

If the fabric cannot withstand this temperature, the print can be heat set at 125-135°C for 3 minutes, but before starting the print, you need to add to the colour you have prepared our catalyst GP (72 915) in a proportion of 2-3% max .

In both cases the print will have excellent fastness in both washing machine and dry cleaning.

Use water to wash tools and print screens.

The values and facts included in our “Technical data sheets” are the result of numerous tests and experiments carried out in our Labs. However, considering the vast range of applications and processing methods, they can only provide an indication. Therefore no direct responsibility can be accepted on our part for the way these values will be applied; users must verify personally that the product is suitable for their specific requirements.