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SCREEN PRINTING INKS TECHNICAL DATA SHEET

SERIES 76.000

76.101 ELASTIC WHITE K01 SLOW DRY

76.100 ELASTIC CLEAR K00 SLOW DRY

76.099 ELASTIC LACQUER K03 SLOW DRY

TYPE OF BINDER:

Mix of acrylic resins in water emulsion.

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

None of the products in our series 76.000 contain any substances that are considered dangerous for the environment and for human health.

APPLICATIONS:

The products **76 101 Elastic white K01 slow dry** , the **76 100 elastic clear K00 Slow dry** and the **76 099 elastic lacquer K03 slow dry** have been designed for printing onto cotton fabrics, cotton blends, synthetic fabrics in general.

The fundamental characteristics of our series 76.000 are excellent elasticity of prints and slower drying of the product on the screen.

The long drying time enables printers to make interruptions during the process without the colour drying up on the screen and also ensures excellent printing results also with 77 thread screens.

INSTRUCTIONS FOR USE

The elastic white K01 and the elastic clear K00 are ready to use, so we recommend you do not add anything to the printing product.

The elastic lacquer K03 is ready to use too, but it has been formulated to be colored by pre-disperse water pigments, like our K-PRINT, to be added at 10% max into the lacquer.

To print on dark fabrics we suggest to add also the white K01 to increase the opacity.

In case of elasticized fabrics with very deep ribs, we suggest the use of 43 thread screens, perform an initial flash print and then print again onto the first print.

This will result in high covering power and naturally elastic prints.

The most important thing is for the print to penetrate inside the fabric ribs, so the second print will give colour continuity by perfectly adapting to the fabric which is printed when stretched out.



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76 100 elastic clear K00 Slow dry can be used as the first coat to prepare the bottom for **76 101 elastic white K01 Slow dry**, which will be printed on top of it. In this case the elasticity of the final print will be extremely good.

Alternatively, you can first print **76 101 elastic white K01 Slow dry** and then **76 100 elastic clear K00 Slow dry** on top of it, giving a glossy effect..

76 100 elastic clear K00 Slow dry can be coloured with pre-dispersed water pigments such as our K-Print, up to a maximum quantity of 7-8% .

DRYING:

Prints made with inks from our series 76.000 are dried exclusively with heat setting in a hot-air oven at 160°C for 3 minutes.

In case of fabrics that cannot withstand a temperature of 160°C, the prints can be heat set at 125-135°C for 3', but, before printing you need to add to the ready-to-use colour a part of our **72 915 cross-linker GP** (max 2-3%).

In both cases you will obtain excellent colour fastness both in washing machine at 60°C and in dry cleaning.

Wash equipment and printing screens with water.

Should a very prolonged stop take place during the printing phase and the colour is partially dried up, we recommend performing one or two prints on some reject fabric to clean the screen; spraying the water on, this way the colour will then be printed correctly.

During the interruption, we recommend you keep the half-tone screen full of ink.

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.