

PRINTPERFEKT CLEAR 700 FF

Character Formaldehyde-free*, hot curing ready for use screen print paste on aqueous base; as blended paste for PRINTPERFEKT WHITE 700 FF; for producing elastic, covering, brilliant multicolour prints on dark textiles

Chemical character Transparent base paste; compound of binder dispersion, thickener and additives

Appearance Light beige, high viscosity paste

Ionic character Anionic

pH-value 8.0 – 9.0

Storage If stored properly in a cool place between + 5 °C and + 40 °C in closed original containers, the product will hold for 12 months. Protect from frost impact and excessive heat. Opened containers must be closed again tightly. Stir up before use.

Properties

PRINTPERFEKT CLEAR 700 FF serves as blended paste for PRINTPERFEKT WHITE 700 FF and stands out for its high colour brilliancy, elasticity and matte surface. PRINTPERFEKT CLEAR 700 FF can be coloured with COLORMATCH pigments to any shade to enable multicolour prints with a soft and high elastic fabric handle.

PRINTPERFEKT CLEAR 700 FF neither contains formaldehyde nor does it detach it during fixation. The strict demands of various ecological labels such as Oeko-Tex® Standard 100 (Product Class I) can be fulfilled in this way.

The blend consisting of PRINTPERFEKT CLEAR 700 FF and PRINTPERFEKT WHITE 700 FF can be excellently processed in the usual screen printing processes and convinces with its outstanding soft handfeel, and a smooth surface characteristic.

With a proper fixation PRINTPERFEKT CLEAR 700 FF can achieve a good stability to washing.

Application Technique

Recommendation for Use and Processing

PRINTPERFEKT CLEAR 700 FF can be blended at any ratio with PRINTPERFEKT WHITE 700 FF. Good results for brilliant, covering multicolour prints on dark fabric qualities were achieved with a mixing ratio of 30 parts of PRINTPERFEKT WHITE 700 FF and 70 parts of PRINTPERFEKT CLEAR 700 FF. Depending on the textile shade and printing ink the mixing ratio can be adjusted.

We recommend stirring up PRINTPERFEKT CLEAR 700 FF before use: PRINTPERFEKT WHITE 700 FF, COLORMATCH pigments and additives such as fixing agents are to be homogeneously blended with the basic paste by means of suitable stirrers or mechanical shakers.

In general, it is not necessary to thicken or dilute the ready-made paste. However, the viscosity can possibly be decreased by adding small amounts of water (up to 10 %). The viscosity can be increased by homogeneously stirring in TUBIVIS DRL 170.

Printing Processes

Application by means of all common screen printing methods; PES monofilament screen gauzes of 43 – 77 S/T depending on the design and fabric quality. We recommend the use of waterproof photo emulsions. The best opacity as well as colour brilliancy are achieved by repeated printing with intermediate drying.

Drying / Fixation

The prints are usually cured by dry heat at 160 °C, 3 min. For special demands with reduced fixing time TUBASSIST FIX 120 W can be applied with 3.0 – 5.0 %.

When fixing with radiant heat or other sources of energy it is essential to run a meaningful trial before going into production.

Recommendation for Use

Before going into production we recommend making it a rule first to test the suitability of the print pastes for the substrates to be used as to wettability, adhesion, fastness properties, thermostability and process parameters and to control this as well during the production run.

* To us formaldehyde-free means that all recipe components neither contain nor release formaldehyde during production or processing.

We reserve the right to modify the product and technical leaflet.

Our department for applied technique is always at your service for further information and advice.

Our technical advice and recommendations given verbally, in writing or by trials are believed to be correct. They are neither binding with regard to possible rights of third parties nor do they exempt you from your task of examining the suitability of our products for the intended use. We cannot accept any responsibility for application and processing methods which are beyond our control.

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