

PRINTPERFEKT® BLANC FF

Characterization	Formaldehyde-free, hot curing ready for printing white paste on aqueous base; for covering white prints on dark, elastic textile qualities
Chemical Structure	White pigmented basic paste; compound of polyurethane dispersion, thickener and additives
Supplied Form	White, high viscosity paste
Ionic Character	Anionic
pH Value	7.6 – 9.5
Storage	If stored properly in a cool place between + 5 °C and + 40 °C in closed original containers, the product will hold for at least 12 months. Protect from frost and excessive heat. Opened containers must be closed again tightly. Stir up prior to use.

The above given values are product describing data. Please consult the 'delivery specification' for binding product specifications. Further data about product properties, toxicological, ecological data as well as data relevant to safety can be found in the safety data sheet.

Properties

Brilliant white prints with a very good opacity, a soft handle and a convincing elasticity can be achieved by using PRINTPERFEKT® BLANC FF.

PRINTPERFEKT® BLANC FF has good running properties. With the longer open screen and the optimal re-emulsification of the paste the printing properties are improved very much.

PRINTPERFEKT® BLANC FF neither contains formaldehyde nor releases it during fixation, so that the strict demands of various ecological labels such as Öko Tex Standard 100 (product class I) and Global Organic Textile Standard (GOTS) can be fully met.

PRINTPERFEKT® BLANC FF can be well processed with common screen printing methods. The best possible opacity and whiteness degree are achieved by printing in the last position.

® = registered trade mark

Application Procedure

Recommendation for Use and Processing

PRINTPERFEKT® BLANC FF is ready for printing and is normally applied as covering white paste.

We recommend stirring up PRINTPERFEKT® BLANC FF before use; additives such as e.g. fixing agents are to be blended homogeneously with the basic paste by means of appropriate stirrers or oscillatory machines.

If necessary, the viscosity can be decreased by adding small amounts of water (up to 5.0 %) or a solution of diammonium phosphate. The viscosity can be increased by homogeneously stirring in 0.1 - 0.5 % TUBIVIS DL 650.

Printing Procedure

Printing can be done with all common screen printing methods with PES monofilament screens of 43 – 77 S/T depending on design and fabric quality. We recommend the use of waterproof copy layers (photo emulsions). The best opacity and highest whiteness degree are achieved by several overprints with intermediate drying.

Drying / Fixation

The prints are normally fixed by means of dry heat between 140 and 160 °C. For special requirements at lower fixation temperatures or shorter fixation times, 1.0 – 2.0 % TUBASSIST FIX 104 W can be added as special low temperature crosslinking agent. Please observe the pot life.

Recommended values for drying and fixation with hot air

One-step: in the continuous drier
 140 – 160 °C, 6 – 4 min

Two-step: Drying: 80 – 120 °C, 10 – 5 min, possibly at room temperature after preliminary trials
 Fixation: 140 – 160 °C, 5 – 3 min

Meaningful pretrials have to be carried out before the prints are fixed with radiant heat or other sources of energy.

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.

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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