PRINTPERFEKT® GLOSS

Characterisation	Ready for use, hot-curing screen printing paste for achieving highly glossy effects. PRINTPERFEKT® GLOSS can also be applied as basic paste for glitter effects
Chemical Composition	Aqueous polyurethane dispersion
Appearance	White paste
Viscosity	14,250 - 21,000 mPas (Brookfield RVT 20/5)
pH Value	8.0 - 10.0
Storage	If stored properly in closed original containers at temperatures between +5 °C and + 40 °C, the product will hold for at least 12 months. Protect from frost and excessive heat; after the impact of temperatures around the freezing point irreversible changes occur. Opened containers must be closed again tightly.

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

With PRINTPERFEKT® GLOSS highly glossy prints can be achieved without an additional pressing process on almost all sufficiently heat-stable textiles. The print is transparent and elastic.

PRINTPERFEKT® GLOSS has good running properties and gives a pronounced surface print thanks to the optimised paste viscosity.

Application Technology

Print Paste Preparation / Printing Conditions

For producing gloss effects PRINTPERFEKT® GLOSS should be applied undiluted. Important for a good effect are optimal printing conditions which guarantee a pronounced surface print and a high paste application. We therefore recommend using a monofilament PES fabric No. 36 - 43 T/S. Normally, printing is done with off-contact to prevent the paste from penetrating into the textiles and the motifs from being squashed.

® = registered trademark

Process

PRINTPERFEKT® GLOSS is preferably used in standard screen printing processes.

- Printing
- Drying / fixation at 130 - 160 °C, 20 - 3 min

The higher the paste add-on, the lower the drying temperature ought to be selected in order to avoid foam formation during drying.

Particularities

When applying PRINTPERFEKT® GLOSS in combination with medium to dark dispersion prints resp. dyeings, migration processes arise at higher temperatures as well as during storage at room temperature, i.e. the areas printed with PRINTPERFEKT® GLOSS are partially stained.

We therefore don't recommend using PRINTPERFEKT® GLOSS in combination with medium to dark dispersion prints resp. dyeings. Pretrials are to be carried out.

Before going into production, we recommend making it a rule first to test the substrates in use in terms of wetting, adhesion, fastness properties, heat stability and processing parameters and to control everything as well during production.

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.

Edition: March 2018
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