
[®] PRINTPERFEKT GD 270

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| Characterization | Ready-for-use paste for achieving glossy effects. Further application as basic paste for glitter and metal bronze effects |
| Chemical Structure | Aqueous polymer dispersion |
| Supplied Form | White paste |
| Viscosity | 23,000 – 27,000 mPas (Brookfield RVT 20/6) |
| pH Value | 8.0 – 10.0 |
| Storage | Store in a cool and dry place but not below + 5 °C in closed, original containers. We recommend not exceeding a storage time of six months. The product has to be stirred up thoroughly before use. Opened containers must be closed again tightly. Protect from frost. |

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 GD 270 gloss prints with a high gloss level can be achieved on nearly any textile material which is sufficiently thermostable. The print is transparent and elastic. With additional pressure using a silicone paper or a PES film the gloss effect can be increased furthermore.

PRINTPERFEKT GD 270 has good running properties and produces a distinct surface print due to the optimized paste viscosity.

Application Procedure

Print Paste Preparation / Printing Terms

For producing glossy prints PRINTPERFEKT GD 270 ought to be applied undiluted. Optimal printing terms which guarantee a distinct surface print and a high paste add-on are important for a good effect. We recommend a monofilament PES gauze no. 30-50 T/S for metal bronze and glitter print no. 12-18 S. Printing is usually effected with an off-contact to prevent a penetration of the paste into the fabrics as well as a squeezing of the design.

If required, PRINTPERFEKT GD 270 can be coloured with common pigments.

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For a fastness improvement or for particular demands on the washfastness 2.5 % TUBASSIST FIX 157 W may be added. Ready-for-use pastes already blended with the fixing component must be processed within one working day.

For reducing the viscosity 10 – 20 % water may be added (diammonium phosphate solution or other salt solutions must not be applied).

The viscosity may be increased by homogeneously stirring in 0.5 – 2.0 % TUBIGAT R 25.

Procedure

PRINTPERFEKT GD 270 is preferably applied in the usual screen printing processes.

- printing
- drying at 80 – 120 °C
- fixing for 5 min at 150 °C

The higher the paste add-on, the lower the drying temperature ought to be selected to prevent a foam formation during drying.

Special Features

When applying PRINTPERFEKT GD 270 in combination with medium or dark coloured water-base prints or dyeings migration processes occur both at high temperatures as well as during the storage at room temperature, i.e. the areas printed with PRINTPERFEKT GD 270 will be partially dyed.

The application of PRINTPERFEKT GD 270 in combination with medium to dark coloured water-base prints or dyeings is therefore not recommended. If need be, pretrials can be carried out.

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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