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## RAPIDOPRINT® H 4

<b>Characterization</b>	Printing oil for improving the running properties of print pastes
<b>Chemical Structure</b>	Hydrocarbon compound, contains emulsifier
<b>Supplied Form</b>	Clear to opaque, slightly yellowish, medium viscosity liquid
<b>Ionic Character</b>	Non-ionic
<b>pH Value</b>	Neutral
<b>Solubility</b>	RAPIDOPRINT® H 4 produces stable emulsions in water independent of the temperature.
<b>Stability</b>	RAPIDOPRINT® H 4 is compatible with many auxiliaries and all dyestuff classes and it is stable to hard water, acids, alkalis, salts, discharge agents and other common printing chemicals.
<b>Remark</b>	Prior to every use the product must be stirred up. An occurring phase separation is no sign of poor quality.
<b>Storage</b>	If stored properly in a cool place in closed original containers between + 5 °C and + 40 °C, the product will hold for at least 12 months.

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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

#### Viscosity / Rheology

RAPIDOPRINT® H 4 increases the flowing properties and sleekiness of print pastes without affecting the viscosity.

#### Effectiveness

RAPIDOPRINT® H 4 improves the running properties of the print pastes on all printing machines, increases the print paste add-on, the penetration of the paste into the fabric and the levelness of prints. Moreover, screen blocking and superficial cracks on rollers are prevented.

® = registered trade mark

### **Sharpness of Outlines**

RAPIDOPRINT® H 4 does not tend to foaming or bleeding.

### **Film Properties / Ease of Removal**

The dried print paste films stay soft and elastic. Therefore, breaking-off or splintering and rupturing of sensitive fabrics are prevented. RAPIDOPRINT® H 4 facilitates the removal of the thickener after fixation and is also easily and completely removed from the fabric in a normal washing-off process.

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## **Application Procedure**

### **Diluting Instructions**

RAPIDOPRINT® H 4 is directly added to the print pastes but can also be applied when stock thickenings are produced in which case it is either added to the solution water or stirred in afterwards.

### **Dyestuff Classes / Textile Substrates**

RAPIDOPRINT® H 4 is suitable for use with all dyestuff classes, thickeners and on all kinds of materials for improving the running properties of print pastes.

### **Application Amounts**

The amount of RAPIDOPRINT® H 4 to be applied is in the range of 5.0 – 15.0 g/kg print paste; in exceptional cases, up to 50.0 g/kg may be necessary.

### **Recommendation for Use**

Apart from an increase in the flow properties and the sleekiness of the print pastes, an improved levelness of the print and a stronger penetration of the print paste into the fabric are achieved by adding RAPIDOPRINT® H 4. Moreover, screen blocking and superficial cracks on rollers are prevented. When spraying a thin layer of RAPIDOPRINT® H 4 on vat and discharge print pastes, these will hold longer and a possible skin formation is avoided.

After fixation of the dyestuff which is not affected by RAPIDOPRINT® H 4, the thickener can be removed more easily during a normal washing-off process.

**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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