



## TECHNICAL INFORMATION SERIE OPATEX OTS

### Application

Super covering ink for printing on dark coloured fabrics, as well as natural as most of the synthetic fabrics.

### Aspect

Opaque

### Drying and fixation

Takes place at 150°C for 3 minutes.

When adding 3% hardener HOT NR 3, fixation is not necessary.

The washing resistance is optimal after 1 days of drying in open air.

The inks has to be used for printing within 24 hours.

Be careful, the HOT hardener can cause irritation or an allergy! HOT nr 3 is less harmful but the ink has to be used within 12 hours after adding.

### Transfer procedure

For transfer we advise to add in each colour 3% of hartner HOT nr 3. By adding this you lift up the level of washing resistance.

Before drying of the print; throw in each color transfer powder, or you can print as final colour OTS 91 or OTS 150 and throw the transfer powder in this layer.

The transferpowder is available in 4 types:

- -1. Standard transferpowder: This powder is suitable for absorbent textiles like cotton or textile that contains min 50 % of cotton, also suitable for Nylon. Less soft feeling but good adhesion on almost all textiles.

The washing resistance: till 60 °C.

- -2. Transfer powder extra fine: This powder is more suitable for non-absorbent textiles like polyester. We advise to use this powder for KW's, umbrella's, sportbags, sportshirts,...

The washing resistance: till 50 °C.

- -3. Transferpowder nr 3: : This powder is suitable for absorbent textiles like cotton or textile that contains min 50 % of cotton. The flexibility of this powder is higher and softer feeling.

- The washing resistance: till 60 °C.

- 4. Transferpowder nr 4: This powder is suitable for absorbent textiles like cotton or textile that contains min 50 % of cotton. The flexibility of this powder is higher and soft feeling.

The washing resistance: till 90 °C.

Eventually you can use also the transferglue OTS nr 1, to print as a final layer. This is a glue with transferpowder inside, so throwing powder become unnecessary. More information concerning this glue you can find in the TDS of this product.

Transfer takes place at 160 ° during 60 sec.

When both the paper and the textile are cool down, you can peel the paper from the textile.

Eventually you need to fixate after the printed textile at 150 °C during 20°C.

### Dilution

-Max: 10% water

- Max. 10% water or a slow reducer OT 5000.
- Max: 10% flexible reducer OTS 7000.

### **Cleaning**

We advise to clean with (warm) water and detergent (Aquaclean) immediately after the impression, eventually on high pressure.

If you have used a solvent and water-resistant emulsion, you can use ST 1000.

### **Emulsion**

Use a water-resistant emulsion

### **Screen type**

Screen P34T to P77T.

### **Storage stability**

1 till 2 years.

Store between 10 and 25 C° in well closed boxes.

### **Colours**

Printed on a black background, the colours come close to the colours of our colour range.

Addition of the OT 150 basis or of the pigment pastes (PPT) is possible.

### **Properties**

- Very covering, extremely suitable for printing on dark fabrics.
  - Very flexible and elastic, despite of its high covering capacity.
  - No rubber feeling, but a very soft feeling.
  - Storage life: 1 to 2 years.
  - Extensive colour range.
  - Respects the environment:
    - a) Does not contain solvents: 100% water basis.
    - b) Does not contain heavy metals or noxious pigments.
    - c) Does not contain PVC.
- Very universal perfect adherence to the most various textile types.

Although the recommendations are based on the best available knowledge, no responsibility can be accepted that the information is sufficient or correct in all cases.