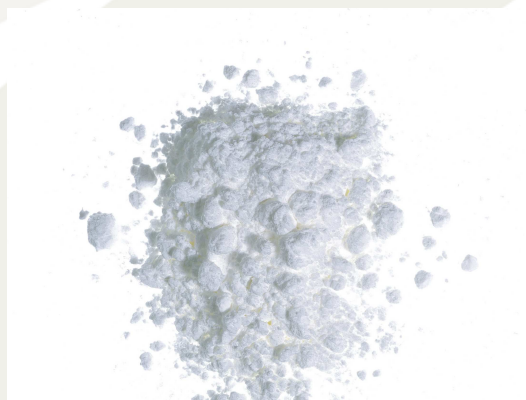


## *ORGASOL® Ultra-Fine Powders*

### *Heat Transfer Paper*



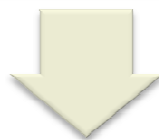


# Principe of Heat Transfer Paper

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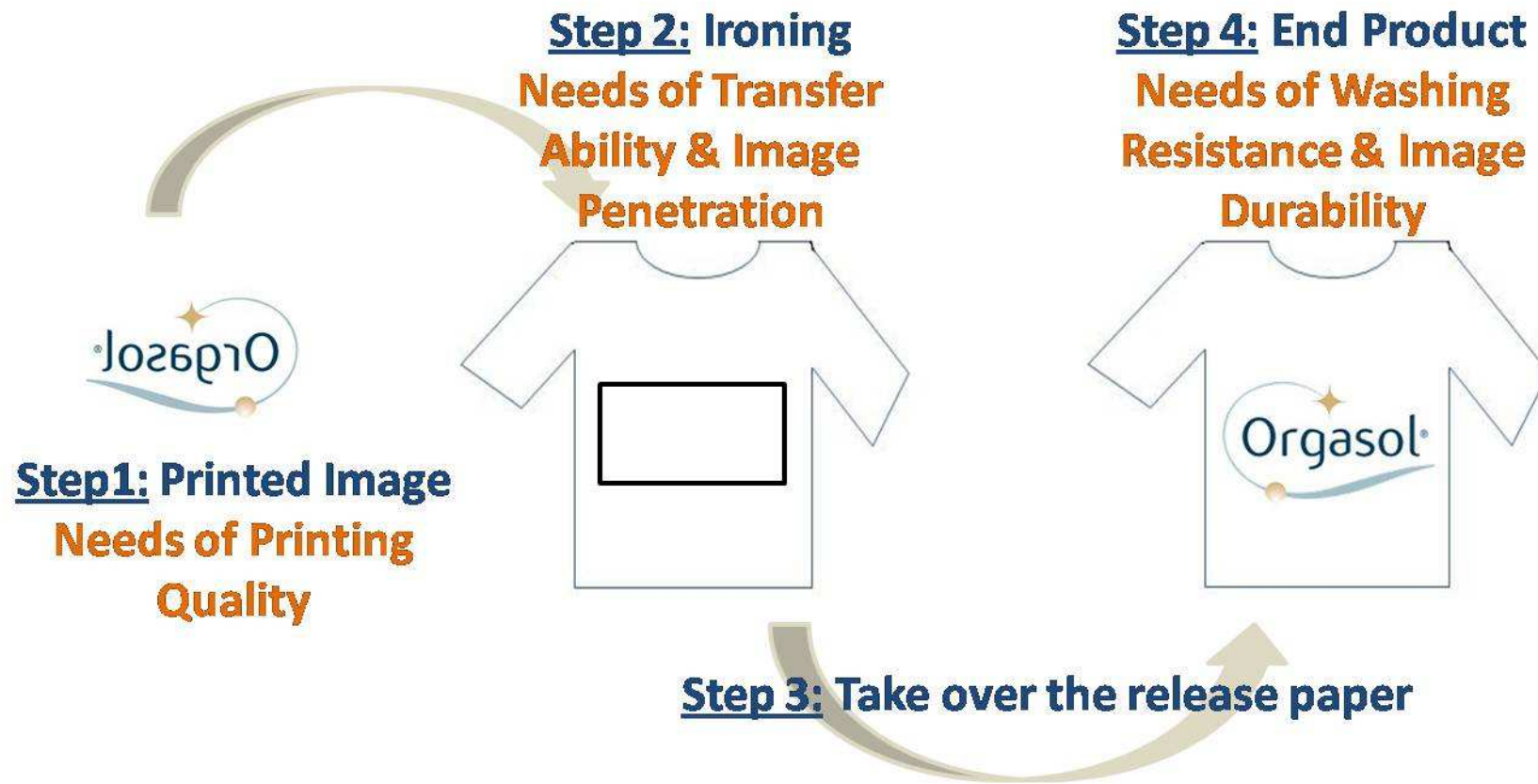
**Printing an image  
by inkjet printer**



**Transferring it on the substrate  
(ex: textile)  
by ironing or high temperature  
pressure**



# Principle of Heat Transfer Paper





# Mainly used for...

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**Imaging  
(Personalization,  
Corporate)**

**T-shirts**

**Active Ware**

**Tote Bags**

**Mouse Pads**

**Caps**

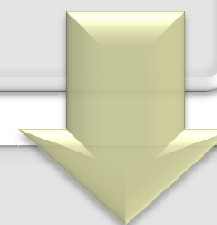


# Heat Transfer Paper Manufacturing



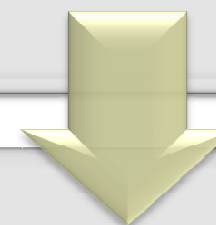
**Orgasol® 3501EXD NAT1 is dispersed in a waterbased formulation:**

- 30-40 dry wt% of Orgasol 3501
- 50-60 dry wt% of Acrylic Latex (Binder)
- Dispersing Agent 1 dry wt%
- Dispersed in Water



**Formulation coated on paper (by rolling coater)**

- Wet Thickness: 100µm



**Drying Step**

- 120°C – 1 to 2 min

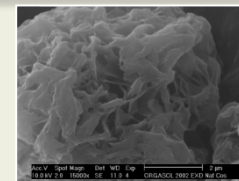


# Orgasol® 3501 EXD NAT1 Benefits



## High Quality Printability

- Fine Particles (10µm) and micro-sphere shape
- Sharp Particle Size Distribution
- High Surface Porosity → Better ink acceptance
- Hydrophilicity → Affinity for waterbased inks



## Transfer Ability

- Low Melt Temperature (142°C)
- Low Melt Flow

## Image Penetration on substrates

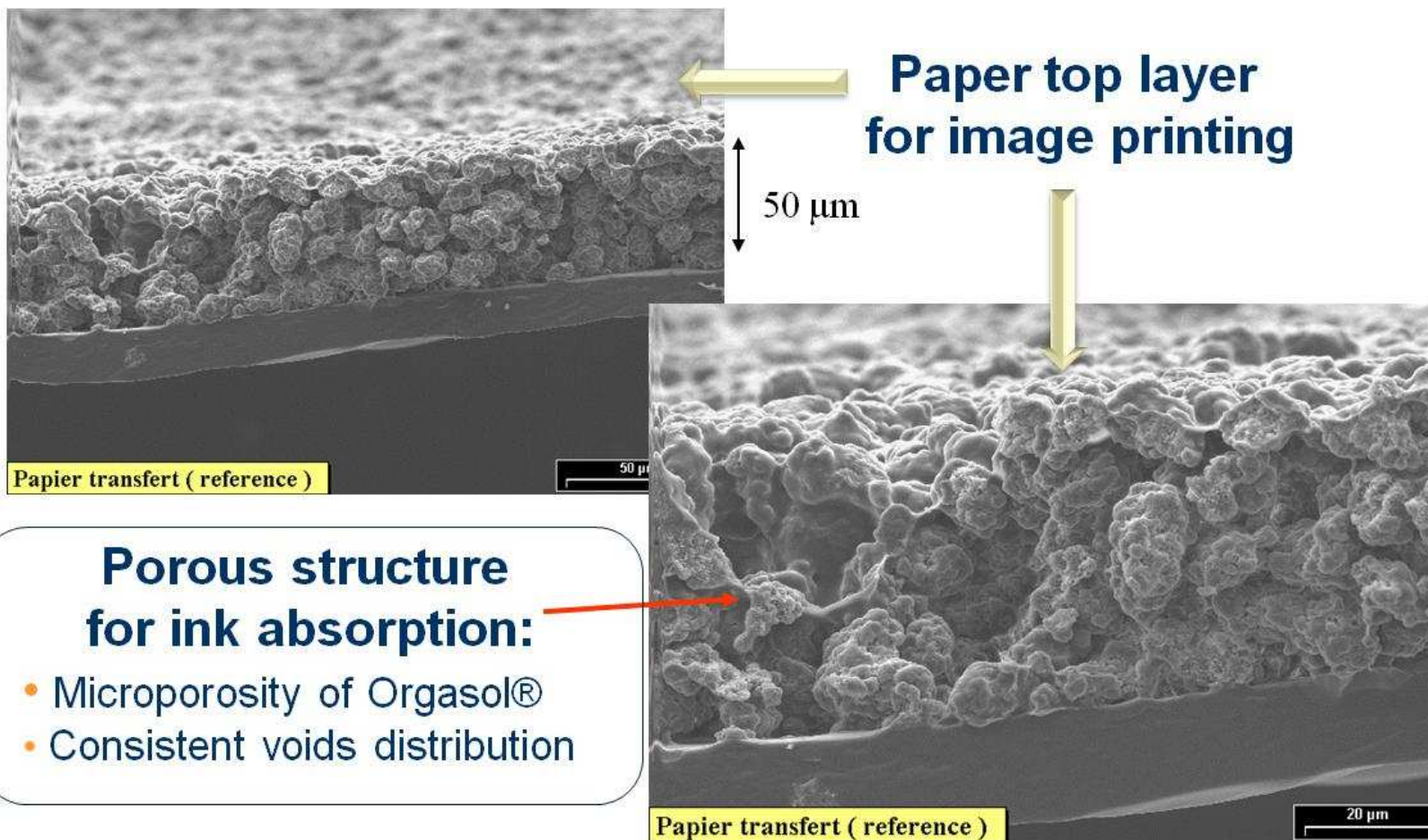
- Low Melt Flow

## Wash Resistance/ Durability

- Low Melt Flow
- Good Ink Absorption
- Good Penetration of polymer in textile fibers



# Orgasol®: A Receptive Powder



## Porous structure for ink absorption:

- Microporosity of Orgasol®
- Consistent voids distribution

**Orgasol® 3501 EXD NAT1: A Key Material to get Good Ink Absorption ➡ High Quality Printability**



The information contained in this document is based on trials carried out by our Research Centres and data selected from the literature, but shall in no event be held to constitute or imply any warranty, undertaking, express or implied commitment from our part. Our formal specifications define the limit of our commitment.

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