

DST EV INK SYSTEM - HYBRID PROCESSES

The *DST EV Ink System* is a waterbased (WB) system without organic solvents, which combines [DST White EV \(101070\)](#), [DST Clear EV \(101075\)](#) and [DST Blocking EV \(101435\)](#) in 5kg buckets, to make heat transfers via digital/hybrid ways.

It is made of high-quality polymers and high-performance additives, making **digital heat transfers** suitable for fashion, sportswear and workwear garments.

DST White EV is also suitable for **care labels transfers**.
DST Clear EV is also suitable for **mixing with color pigments**.

PRODUCT HIGHLIGHTS

- ✓ High-quality and colorful transfer printing
- ✓ WB inks designed for DST/hybrid digital heat transfers
- ✓ Guaranteed transfer durability and flexibility
- ✓ High washing resistance:
 - 40 times at 60°C/140°F
 - 60 times at 40°C/104°F
- ✓ No pre-heating of fabrics required
- ✓ PVC-, APEO-, Phthalate- & Formaldehyde-free transfer
- ✓ OEKO-TEX® ECO PASSPORT

HOW ARE WE BETTER

- ✓ Strong environmental awareness with only waterbased products and avoiding harmful chemicals (bjorn-thorsen.com/sustainability)
- ✓ Large selection of powder or printable liquid adhesives
- ✓ Customers can achieve OEKO-TEX® Standard 100, and GOTS or other certifications
- ✓ Solvent-free cleaning and maintenance of tools
- ✓ Solid R&D team and improvements as needed
- ✓ Reliable supply and flexible logistics

CONTACT

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GUIDELINES



Fabric Types

Any type of fabric, depending on used adhesive



Mesh

Count: T42-T48 for DST White EV
T48-T90 for DST Clear EV
Type: monofilament, polyester



Squeegee

Angle: 60-70°
Hardness: 70-75 shore A
Profile: Square, sharp
Stroke: medium speed, depending on machine



Stencil

Emulsion over mesh
Clean with [DST Emulsion Remover \(109220\)](#) to reuse the stencil



Curing Temperatures

90s - 120°C/248°F for [DST White EV](#)
90s - 140°C/284°F for [DST Clear EV](#)
90s - 90°C/194°F for [DST Blocking EV](#)



Opacity

Two printing passes
Print [DST Clear EV](#) layer after [DST Blocking EV](#), according to TDS



Special Additives

Mix with 2 to 3% [DST Catalyst SP \(105005\)](#) or [DST Catalyst XP \(105003\)](#) according to TDS



Storage

Closed container in a cool and dry place
5 to 35°C/41-95°F
Keep away from freezing



Cleaning & Maintenance

Clean with [DST Fresh Cleaner \(109210\)](#), according to TDS



Health & Safety

SDS available on request via our [website](#)



Application

120-140°C/248-284°F for 10-15sec at 4-6 bars
Workwear: 160°C/320°F for 10-15sec at 4-6 bars
Softshell, polyester: 110-130°C/230-266°F for 10-15sec at 4 bars