

PeractoJet™

High performance ink for digital printing on fabrics



High-performance ink set for single-pass or multi-pass printing.

Water-based nano pigment dispersions for textile printing.

Typical pre and post treatments may be reduced or eliminated.

PeractoJet Technology:

PeractoJet inks contain nano-sized pigment particles, which easily color textile substrates.

When heating the textile to 285°F (140°C) for a minimum of 3 minutes, PeractoJet inks form a long chain molecule that attaches to the nano pigments and binds them to the textile substrate.

Once fixation is complete, the pigments are attached to the textile substrate.

PeractoJet Ink can be used for polyamide, polyester and cotton fabrics.

Advantages of PeractoJet Inks:

- Low temperature fixation.
- Short fixation time.
- One-Ink system for all textile fibers.
- May eliminate traditional pre-treatment.
- Reduced water consumption (except for machine cleaning).
- No steam needed.

Technical Specifications

For all colors	PeractoJet L	PeractoJet M	PeractoJet H
Viscosity (at 28°C)	4.0 – 5.5 cps	8.0-9.0 cps	13.0 – 14.0 cps
Static Surface tension (at 28°C)	34-36 mN/m	34-36 mN/m	34-36 mN/m
Shelf life (from production date)	2 years	2 years	2 years

Application of PeractoJet Inks

WARNING: PeractoJet inks and ink products of other manufacturers are not compatible with each other. Prevent intermixing as this will most certainly damage the print heads!

Follow the manufacturer's instructions on the safe and proper operation of the printer hardware, ink purging operation, and ink changeover routine.

Special Preparation of the printer for PeractoJet inks

1. Remove the old existing ink.
2. Rinse with the old existing cleaner.
3. Rinse with clean, filtered, deionized/distilled water.
4. Replace in-line filters and tubes if possible.
5. Use **Farbenpunkt Cleaner WB** to rinse the entire fluid path from ink container and through print heads.
6. Fill in PeractoJet Inks.

What to consider for the printing process

- 1.) The printing heads should be equipped with a capping system which is activated at a machine stop. If not available, the machine shall be left on at an idle/standby state to allow periodic exercise and cleaning.
- 2.) For fixation, the substrate temperature must be at 140°C and maintained for a minimum of 3 minutes for proper curing.
- 3.) Tests and trial applications including 140°C fixation and proper conditioning are necessary to determine the final color profile.
- 4.) Avoid reaching a substrate temperature of 180°C and greater as that will incur ineffective crosslinking.

Storage & Handling of PeractoJet™ products

Store between 5°C and 25°C in closed bottles/bins.
Protect from frost and store away from direct sunlight.
Keep partially filled container completely closed.
Prevent excessive agitation of partially filled containers and the incorporation of air outside of normal handling.

Disclaimer

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