


 **SUMMARY**

MicroPigment 2.0 Ink is the waterbased ink developed and produced for inkjet printers using piezoelectric printhead. Their high solids content provides digital textile printing over any fabric with outstanding color brightness and fastness while having an industrially sound machine performance.

This product can be used for substrate containing a large percentage of cotton (100% cotton or cotton blends)

 **Curing**

For the correct use of this product, the conditions of the fixation will be: after printing, the fixation will be at 160 °C from 5 minutes. However, the fixation may differ depending on textile type and pre-treatment

NOTE: Because of the differences in heat tunnel efficiency from manufacturer to manufacturer, it may be necessary to dial in an optimum curing heat and speed. It is recommended verify the curing system for temperature control. Infrared thermometer guns or adhesive temperature gauge strips are methods of check curing device temperature.

 **PROCESS**

1. Print Micropigment Clear 2.0 (62 - 90 threads/cm // 158 - 230 threads/inch) 2 strokes > Flash (until dry)
2. Print Micropigment 2.0 White base, (62 - 90 threads/cm // 158 - 230 threads/inch) 2 strokes > Flash (until dry) > Iron (optional)
3. Print Micropigment 2.0 White base, (62 - 90 threads/cm // 158 - 230 threads/inch) 2 strokes > Flash (until dry)
4. Micropigment 2.0 Primer Paste, (62 - 90 threads/cm // 158 - 230 threads/inch) + Flash (ROQDRY EVOLUTION with prob 100°C, 1seg or ROQDRY RUN temperature 5, time 5) *
5. **Print Digital CMYK or CMYKRG**
6. Flash with prob 170 °C, 1seg (until dry) (interval pallet until next step)
7. Print Micropigment Clear 2.0 (62 - 90 threads/cm // 158 - 230 threads/inch) 2 strokes
8. Heat curing at 160 °C, 5 min

* Should not completely dry the Primer Paste

NOTE: Information resulting from experience and tests performed in the laboratory, therefore, at customer facilities, changes may occur to obtain the same results

NOTE: The washing test should be 24hours after printing

NOTE: When in continuous production the temperature of the flashes may be subject to some adjustment

 **Specifications**

Appearance: Liquid form in various colors

pH: 8 ± 1

Viscosity: 10 - 11 mPa.s

Particle Size: < 200 nm

Specific Gravity: 1.04 - 1.1 g/m3

IMPORTANT NOTE The information given in this technical sheet is not intended to be exhaustive and any person, using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us to the suitability of the product for the intended purpose, does so at his own risk.

While we endeavour to ensure that all advice we give about the product is correct, we have no control over either the quality or condition of the sub-strate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

Final Remarks







Keep close and store in a dry place at 10 °C e 30 °C.

When changing the ink on an Inkjet machine, the whole ink circuit needs to be flushed / cleaned with Cleaning Solution.

If the curing process is insufficient, it affects the color fastnesses; therefore, make sure the curing process is properly set.

Performance Information

Woven Fabric, 100% Cotton, Pre-treated, no Post-Treatment

		Washing at 40°C ISO 105 – C06	Dry Rubbing ISO 105 – X12	Wet Rubbing ISO 105 – X12
	CYAN	4-5	4-5	4
	MAGENTA	5	4-5	4
	YELLOW	5	4-5	4
	BLACK	5	4-5	4
+				
	RED	5	4-5	4
	GREEN	5	4-5	4


COLORS

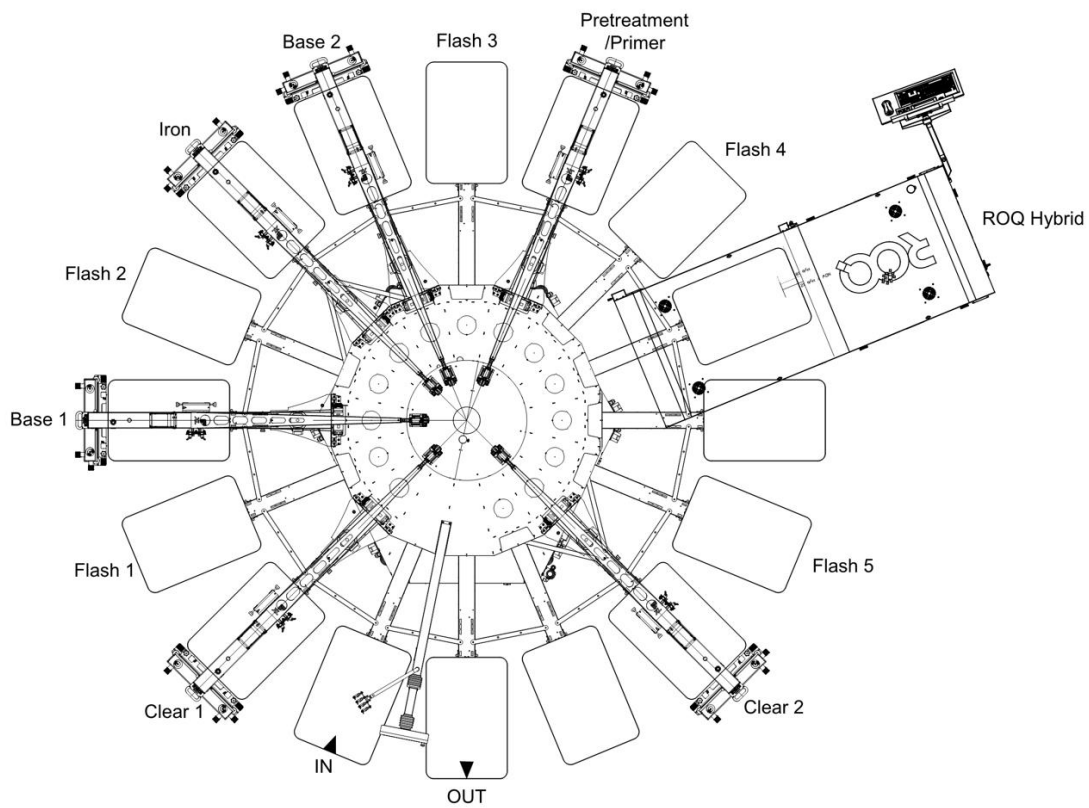


IMPORTANT NOTE The information given in this technical sheet is not intended to be exhaustive and any person, using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us to the suitability of the product for the intended purpose, does so at his own risk.

While we endeavour to ensure that all advice we give about the product is correct, we have no control over either the quality or condition of the sub-strate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.



 **Layout Reference with Top Coating**



IMPORTANT NOTE The information given in this technical sheet is not intended to be exhaustive and any person, using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us to the suitability of the product for the intended purpose, does so at his own risk.

While we endeavour to ensure that all advice we give about the product is correct, we have no control over either the quality or condition of the sub-strate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.