



**QUASAR** s.r.l. **FABBRICA INCHIOSTRI PER SERIGRAFIA E DIGITALE**

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## TECHNICAL DATA SHEET

# 715 JET GLOSS - ink piezo

### SECURITY SPECIFICATIONS

Ink based on selected and first quality resins. All the components of 715 JET GLOSS are in compliance with the REACH regulation (CE) n. 1907/2006 of the European Parliament and of the Council concerning the registration, evaluation, authorization and restriction of chemical substances and related updates and summaries. 715 JET GLOSS complies with ISO EN 71/9 regarding the presence of hazardous solvents. 715 JET GLOSS is free from the following substances subject to registration:

- persistent, bioaccumulative and toxic substances (PBT) or very persistent and very bioaccumulative substances (vPvB) in compliance with Annex XIII Reach;
  - substances included in the list subject to authorization, defined in accordance with Article 59;
  - substances that exceed EEC limits at the workplace;
  - substances subject to restrictions on manufacture, placing on the market and use of substances and preparations as defined in Annex XVII;
  - SVHC substances (Substances of Very High Concern) listed in the Candidate List of substances of very High Concern for Authorization, published in accordance with the Article 59 of the REACH Regulation.
- The precise choice to avoid harmful and toxic components, allows 715 JET GLOSS to be safely used in the workplace, extending the intervals of legal visits. No digital or silk-screen ink, water-based, solvent-based or U.V. it can be used in the workroom without respecting the regulations imposed by the law 81/2008 on safety in the workplace.

### CHARACTERISTICS AND ADHERENCE

715 JET GLOSS has a very shiny appearance, without flocculations. The basic resins give the ink chemical adhesion on many supports of thermoplastic origin: PVC both in sheet and in rigid or soft sheet, some inflatable PVC (slightly plasticized), polyester pretreated with primer, adhesives in general, many fake leather and sky, good adhesion on extruded methacrylate, objects in general, ABS, some types of polystyrene and some acetal (with subsequent firing at least 90 ° C), some types of pre-painted vinyl sheets in vinyl also with cold drying, paper, cardboard, raw wood, some TNT, overprinting offset and other supports. For application on particular materials, please ask our laboratory (equipped with a large database) for advice. Consider that plastics, pure or mixed, are hundreds of thousands. In the case of particular supports on which insufficient adhesion can not be obtained, request a free consultation at our laboratory for the appropriate use of the numerous spray primers in production. It can be overprinted and underpainted to the Quasar vinyl and acrylic series and also on 250 FLEXIPRINT UV screen printing as well as on other similar series on the market.

### RESISTANCE

715 JET GLOSS is manufactured with quality pigments that reach, in the range of the color chart, the maximum values of the 7/8, 8 wool scale as per UNI 5773-66 regulation which establishes the criteria and the evaluation of the pigments. 715 JET GLOSS has good external resistance in respect of the values of ink thickness deposited, depending on the chosen resolution. At higher resolution there is a greater thickness of the final dry which increases its resistance. In the printing of materials subject to high frequency welding all the colors resist discretely except Black.

In the case of external exposure, the resistance can be increased by overprinting the paint in a critical way. 230 PLEXIFORM Filter U.V.

### CMYK QUADRICROMATIC PRINTING

715 JET GLOSS Four-color process is produced in the 4 CMYK shades. The colorimetric curves of the ink are in compliance with regulation 2846.

When selecting the original colors, always use the UCR or better GCR option and stick to the maximum total density ratio of 300%. For information on the correction of densitometric selection curves to obtain the exact reproduction of the original and reduce the effects of Tint Error, Trapping, Print Contrast, etc., it is advisable to consult our laboratory.

### COMPLEMENTARY PRODUCTS

When using the JET GLOSS 715 ink for the first time, it is advisable to wash the heads with the appropriate

280.51 Head Cleaning Solvent. We recommend to use a refillable cartridge and to have the machine doing at least a couple of wash cycles. In this way many previous ink residues will be solubilized and expelled. Then fill the rechargeable cartridge with 715 JET GLOSS and proceed to print multiple test cycles. Initially the printing of the notches will remain rather faded. After a few test cycle printing cycles, the notches will appear homogeneous and the nozzle opening status will be evaluated by the operator.

715 JET GLOSS will perform a cleaning action on the nozzles already clogged. If the nozzles are clogged for many days, it will no longer be possible to open them. In any case, the clogging of the nozzles will prevent the correct printing and the homogeneity of the ink.

715 JET GLOSS can also be produced in other sample colors. For realization and quantities request clarification to the company.

#### **ADVICE ON THE MAINTENANCE OF THE PRINT HEAD**

The particular micrometer grinding of the 715 JET GLOSS and the specific solvent mixture, of soft odor, perform a detergent action inside the piezoelectric head, helping to dissolve any residual material. The maintenance of the print head of any machine is essential to keep print playback efficient. If the head prints out the test lines, it shows missing lines, which means that some residual or worse unwanted cross-links have closed some print head nozzles. The micrometric head nozzles are not easily restored. On the contrary, when the closure of the canal has taken place for a few days, it will no longer be possible to restore the passage. This eventuality must be prevented by having the machine do all those automatic washes prepared by the program. The machine must therefore be left connected to the power supply so that it can be cleaned. Furthermore, it is advisable to do at least 2 annual cleanings of the single color channels with a refillable cartridge filled with 280.51 Solvent Cleaning Heads. The washing can maintain the fine channels of the head, thus solubilizing many residues. Pay attention to prolonged downtime and, if possible, increase cleaning especially during the summer.

Gently wipe the outer print holes of the head and place a few drops of 280.51 Head Cleaning Solvent on the capping felt.

Never blow into the head holes with compressed air. This maneuver can irreparably destroy the thin membrane inside.

#### **DRYING**

715 JET GLOSS in high resolution printing goes out of powder after 2/3 minutes on the heated plate and dries completely in about 20 minutes at room temperature between 17 and 23 degrees. In the presence of forced air jets, at a set temperature not higher than 50 ° C, it dries in 20 seconds c.a. If in doubt, check carefully that the support, pressed face to face, does not give rise to any tackiness.

#### **PRODUCT DURATION**

In original, sealed and sealed packaging, 715 JET GLOSS can be safely stored for up to 1 year. The lot number corresponding to the work sheet and a quality control sample kept in the company are printed on the original packaging.

Storage must be carried out in ventilated rooms with a maximum temperature range of 5 ° > 40 ° C, without any special information.

#### **GUARANTEES**

QUASAR srl produces inks and silk-screen and digital products with competence and experience and adopts an internal quality control system both on the incoming raw materials and during the various production stages. The components of its products undergo continuous checks and inspections with storage of the test and sample of each individual production, in the interest of both the manufacturer and the user. The use and application of QUASAR srl products are so vast that they avoid any type of control, so the only guarantee that is granted is the replacement of the product if it is proved to be defective or by faulty production. The professional printer is therefore always responsible for choosing the type of ink to be used, and must perform appropriate preventive printing tests in order to ascertain the suitability for specific requests.

Most printing problems result from incorrect application or product selection. The QUASAR srl laboratory is at complete disposal of the customers to advise, make corrections and customizations to the chemical products of production. We therefore urge a close technical collaboration so that we can always improve in the press. The guarantees of quality and production are recognized by QUASAR srl exclusively for their inks packed in the original 1 kg containers and in all the other home sealed packaging.

#### **COLOR GUIDE 715 JET GLOSS**

100 TRANSPARENT BASE
271 YELLOW EUROPE
371 MAGENTA EUROPE
471 CYAN EUROPA
871 NERO EUROPA

**ANY PARTIAL REPRODUCTION IS FORBIDDEN**