



TECHNICAL DATA SHEET

Nanum[®] Metallic Reflection Inkjet Ink

NK032629

Description

Nanum[®] Metallic Reflection Inkjet NK032629 is a water-based ink produced with our special metal oxide nanoparticles. It features prolonged stability, extended shelf life and low sedimentation rate due to its functionalized pigment, which is treated with strong chemical bonds while in its production phase, rather than conventional coatings used in most inkjet ink formulations. This ink has metallic sheen characteristics without the need to add metallic particles, but to give the ink these properties, it must be printed on inkjet photo paper.



Application

NK032629 is an ink compatible and intended to be used with printheads, mainly to HP45, with the specific printing parameters described in properties. It is an excellent choice for giving prints a metallic effect. But for this ink to give the metallic reflection effect, it must be printed on photographic paper glossy for inkjet, such as "Plus Photo Paper".





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Properties:

Ink vehicle:	Aqueous
Ink type:	Metallic Reflection
Physical form:	Orange liquid
Viscosity (cP):	2 – 5
Surface tension (dyne/cm):	33 – 36
Average Particle size (nm):	40 – 60
pH:	7.0 – 9.0
Specific gravity (g/cm ³):	1.05 – 1.07
Conductivity (μS/cm):	100 – 250

Shelf life

NK032629 should be stored avoiding exposure to light in a cool, dry place with optimal temperature range for storage between 41 °F – 95 °F (5°C – 35 °C). This product has a shelf life of 2 years from the manufacture date when stored under the mentioned conditions. Exposing the ink to higher or lower temperatures may cause loss of its properties and/or printing performance.

Notes

This METALLIC REFLECTION INKJET is produced according with a certified ISO 9001:2015 Quality Management System and NANUM warrants all reported specifications. However, satisfactory results from the ink use are related to individual formulation and operational procedures. Users are responsible for testing and to determine if our product will perform as expected throughout the entire printing, post printing, processing, and end-of-life.

Operating Conditions

Temperature: 18 °C – 35 °C (64°F - 95° F) Humidity: 20 – 60 %

Ink Volume

Custom volume upon client request.

