

Series 747

Universal UV-curing Pad Printing Ink

Series 747 is a glossy and highly resistant pad printing ink for printing on a variety of plastics.

Typical areas of use are technical applications.

Applications

- › Industrial applications (automotive, electronics)
- › Toys
- › Sporting goods
- › Medical supplies (partially USP Medical Class VI listings)

Substrates

Substrate	Rating	Hints
Rigid PVC	★★★★★	
ABS, SAN, copolymers	★★★★	
Polyamide (PA)	★★★★	
Polycarbonate (PC)	★★★★	
Polystyrene (PS), mat	★★★★	
Soft PVC	★★★★	
Acrylic glass (casted PMMA)	★★★	
Duroplasts	★★★	
Glass / ceramics	★★★	
Coated surfaces / powder coatings	★★★	
PET-A	★★★	
Polyethylene (PE), pre-treated	★★★	
Polypropylene (PP), non pre-treated	★★★	
Polystyrene (PS), injection-molded parts of acryl glass	★★★	
Polystyrene (PS), glossy	★★★	
Polyester, non pre-treated	★★	
Metal	★	

Legend ★★★★★ Very well suited ★ Detailed pre-tests necessary

Characteristics

Feature	Rating	Hints
Alcohol- and gasoline resistance	★★★★★	
Flexibility	★★★	
Gloss	★★★★	Glossy
Resistance to hand sweat	★★★★★	
Light fastness	★★★★	
Abrasion resistance	★★★★★	
Pigmentation	★★★★	
Temperature resistance	★★★★	
Drying	★★★★★	
Water resistance	★★★	
Weather resistance	★★★	

Legend ★★★★★ Very good product properties n/a No information available
 ★ Product properties not available

Product Range

MS Basic Colors

Article	Color	HP	Article	Color	HP
747-1005	MS light yellow	•	747-3305	MS magenta	•
747-1105	MS medium yellow	•	747-4005	MS violet	•
747-1205	MS dark yellow	•	747-5005	MS blue	•
747-2005	MS orange	•	747-6005	MS green	•
747-3005	MS red	•	747-8005	MS black	•
747-3105	MS magenta red	•	747-9005	MS white	•

HP High pigmented

Note I: All abbreviations used in this chart are explained in detail on the last page of this data sheet.

Other Colors

ST Metallics	ST Color Chart / www.printcolor.ch/stcolorguide
Special Colors	Pantone®, HKS, RAL and after customers sample
Others	Series 747-00 ST white
	Series 747-04 ST transparent paste
	Series 747-05 ST varnish
	Series 747-05/MT ST varnish, mat
	Series 747-33 ST black
	Series 747-8005/USP Black, Medical Class VI
	Series 747-9005/USP White, Medical Class VI

Auxiliaries

Thinner	Series 700-017	Addition ratio	15-30% by weight
Accelerator	Series 700-019	Addition ratio	15-30% by weight
Accelerator (fast, PAH free)	Series 700-041	Addition ratio	15-30% by weight

Processing

Cliché

All commercially available clichés can be used.

Drying

Drying of Series 747 depends on the layer thickness as well as on the substrate.

Usual parameters (no addition of retarder):

UV-Dryer	Energy consumption, depending on color shade, at 1000-2000 mJ/cm ² (Technigraf Integrator).
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Cleaning

Series 700-BRT, Series 700-URT

Special Features & Tips

UV-Drying	In case of multiple printing, ensure sufficient UV power.
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Others

Delivery	1 kg / 5 kg / 20 kg
Certificates / Standards	www.printcolor.ch/certificates
Other	Stir well before use.
	Information on shelf life can be found on the cover label.

Basic Color Systems

HP Basic mixing system with highly pigmented primary colors

Safety Information

Actual Material Safety Data Sheets according to EC-Regulation 1907/2006 are available for all products mentioned in this data sheet.

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11.02.2015	12.07.2021	T21 / T06 / T30	2

Important Information

Our technical advice whether spoken, written, or through test trials corresponds to our current knowledge to inform about our products and their use. This is not meant as an assurance for certain properties of the products nor their suitability for each application. You are, therefore, obliged to conduct your own tests with our supplied products to confirm their suitability for the desired process or purpose. The selection and testing of the ink for specific applications is exclusively your responsibility. Should, however, any liability claims arise, such claims shall be limited to the value of the goods delivered by us and utilized by you with respect to any and all damages not caused intentionally or by gross negligence.