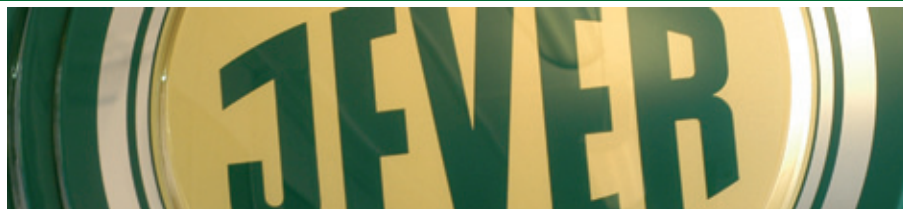


PRODUCT GROUP 300

Series 311

Multi purpose ink, Halogen- / PAH-free



The new Series 311 is a fast drying, glossy, universally useable and highly resistant printing ink, formulated on the basis of Halogen- and PAH-free raw materials. It is applicable in a user-friendly way for screen printing, but does however also show excellent pad printability. The ink system can be further improved in respect to adhesion and resistance by adding of 5% by weight of Series 600-HDF or Series 600-GLF. The resulting pot time lies at 5-8 hours (depending on choice of hardener and climatic conditions, especially humidity and temperature).

Following products are currently available in Series 311:

HALOGEN-FREE MS-BASIC COLORS

Series 311-1100	MS-medium yellow	Series 311-5000	MS-blue
Series 311-1900	MS-light orange	Series 311-6010	MS-green
Series 311-3000	MS-red	Series 311-8000	MS-black
Series 311-3100	MS-magenta red	Series 311-9000	MS-white
Series 311-4510	MS-cobalt blue		

HALOGEN CONTAINING MS-BASIC COLORS

Series 311-1200	MS-dark yellow	Series 311-6000	MS-green
Series 311-4000	MS-purple		

HALOGEN-FREE ST-COLORS

Series 311-00	ST-white	Series 311-07	ST-binder
Series 311-05	ST-varnish	Series 311-33	ST-black



SUBSTRATES

Rigid-PVC / Soft-PVC	PS	PC	PET*
Coatings	Metals	PP/PE*	PMMA*



USE

Application	Plastic industry (technical screen- and pad printing for the electronic and toys industry)
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PROPERTIES, PROCESSING, DRYING AND MESH

Mesh	120-31 Y PW PET 1000
Drying / Curing	Touch dry: 10-30 seconds / Final curing: 24h (depending on substrate and choice of thinner)
Further Processing	Punching, cutting, embossing





ADDITIVES

Screen Printing Thinner	Series 10-0330	Addition Ratio	10 - 20 % by weight
Screen Printing Retarder	Series 10-03432	Addition Ratio	10 - 20 % by weight
Pad Printing Thinner	Series 10-055/1	Addition Ratio	5 - 15 % by weight
Pad Printing Retarder	Series 10-02459	Addition Ratio	5 - 15 % by weight

VARIOUS

Delivery Conditions	1 kg / 5 kg / 25 kg
Other	* after pre-tests and/or pre-treatment (flaming, Corona or Primer)

Precautionary measures

Read material safety data sheet prior to processing. The material safety data sheets according to OSHA form contain indication of hazardous ingredients, TLV-level and instructions for precautions when processing, handling and storing as well as first aid. The information given in the MSDS refers to processing as described in this technical leaflet. The statements in our leaflets have been made to the best of our knowledge and are given without any obligation. They serve to advise our business associates, but it is absolutely necessary to make your own printing tests under local conditions, with regard to the intended purpose prior to starting the printing job. In case of any doubts please contact our technical advisors. The application, use and processing of the products delivered by us are beyond our control. This is subject to your responsibility and there is no liability or guarantee on our part. In case of justified complaints the manufacturer can only be made liable for the countervalue of the used ink system. Addition of not mentioned products or competitors products are on your own risk and releases Printcolor Screen Ltd. of any later demands, especially in cases of damage and loss caused by alien products. All former leaflets are no longer valid. (03/2011)