

## PRODUCT GROUP 590

### Series 590-05/696

UV-Structure Varnish, fine

### Series 590-05/695

UV-Structure Varnish, coarse



Series 590 offers as a standard a fine (Series 590-05/696) and a coarse (Series 590-05/695) structure varnish for optical finishing of printings and packaging's. The coarse special varnish, Series 590-05/695 also allows printing of domed structures and therewith creation of extremely high build effects.

The curing energy necessary for these UV-curable inks depends on the therein contained texturing ingredients and to the substrate and normally lies between 250-450 mJ/m<sup>2</sup>. The curing conditions should be adjusted to substrate and color shade. Curing is normally more difficult with dark substrates and therefore a higher curing energy may possibly be required. Because of the "after-curing" of high build systems final adhesion will only be reached after 24 hours. For printing of the fine structure varnish (Series 590-05/696) a mesh of 54-64 Y PET 1000 and for the coarse version (Series 590-05/695) a mesh of 32-100 Y PW PET 1000 is recommended. To reach an optimal printing result, we would generally recommend to print the structure varnishes with a speed of 2000 prints/hour.



### SUBSTRATES

Paper, paperboards, cardboards	Soft-PVC / Rigid-PVC	OPP-Laminate	Offset-Preprints
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### USE

<b>Application</b>	Paper finishing
	Packaging's

### PROPERTIES, PROCESSING, DRYING AND MESH

<b>Mesh</b>	32-100 Y PW PET 1000 up to 54-64 Y PW PET 1000
<b>Drying / Curing</b>	250-450 mJ/m <sup>2</sup> (Technigraf Integrator), depending on film thickness and substrate
<b>Further Processing</b>	Punching, cutting

### ADDITIVES

<b>Thinner</b>	Series 500-017	<b>Addition Ratio</b>	Up to 10 % by weight
<b>Retarder</b>	-	<b>Addition Ratio</b>	-

### VARIOUS

<b>Delivery Conditions</b>	1 kg / 5 kg / 20 kg
<b>Other</b>	Stir well before use, protect from direct light

**Disclaimer**

Please thoroughly read the Material Safety Data Sheet (MSDS) prior to processing. The Material safety Data Sheets according to 91/155/EWG form, contain indications of hazardous ingredients. Exposure levels and instructions for precautions when processing, handling and storing as well as first aid. The information given in the MSDS refers to the processing as described within this technical leaflet. Above data are based on laboratory tests and field experience. All therein contained statements are to the best of our knowledge without any obligation from our side and do not discharge from testing the product by yourself. In doubtful cases, you are kindly requested to either perform your own tests or refer to our technical staff. Application, use and processing of the delivered products are beyond our control and are therefore at your own risk and responsibility. Printcolor is thus free from any guarantees or liabilities. In cases of justified complaints, Printcolor can only be made liable for the counterpart of the utilized ink system. Adding not stated products or foreign / competitors products, is solely at your own risk and liberates Printcolor of any later calls; especially in cases when damages occurred and which have been caused through use of products of foreign type. This leaflet replaces all former issues. (03/2009)