

## UV-Flexo Opaque White

UV-Flexo Opaque Whites are 100 % systems which cure radically under UV light and are suitable for refining various substrates from the flexo or coating unit.

### Intended applications

Depending on the Opaque White, applications include brochures, folding boxes, flexible packaging, adhesive labels, shrink films and packaging for food and pharmaceutical products.

### Substrates

PVC, PE, PP, OPP, PET, PS, aluminium film.

Due to the variety of materials prior tests of printability and properties are recommended as well as in-line corona pre-treatment for printing directly on films. A surface tension of approx. 40 mN/m is suggested.

### Processing instructions

Stir the opaque whites well before use.

Good curing depends on ink application, substrate, number and type of emitters used, their distance to the print and printing speed. We recommend a lamp output of 160 - 200 W/cm.

All types of anilox rollers can be used when using UV Opaque Whites. The cell volume depends in the geometry, desired gloss and machine speed. The amount of the ink should not exceed 6 g/m<sup>2</sup>.

For using coating units we recommend an application of 2 - 6 g/m<sup>2</sup>.

	Article code	Viscosity*	Properties	Light	Alcohol	Solvent	Alkali	Opacity
Opaque White	04FUVPB101.5	0,5 - 1,0	Standard opaque white	8	+	+	+	0
Opaque White Blueish	04FUVW110.5	0,5 - 1,0	High opacity, blue tinged for more intense white	8	+	+	+	0
Opaque White SLV	04FUVPB204.5	0,5 - 1,0	High flexibility Standard for shrink sleeve	8	+	+	+	0
Opaque Spacer White SLV	04FUVPB205.5	0,5 - 1,0	High flexibility, high surface smoothnes	8	+	+	+	0
Opaque White Matt	04FUVW115.5	0,8 - 1,2	High opacity, matt effect	8	+	+	+	0
PMS Opaque White LMI	04FUW0700.5	0,5 - 1,0	Standard opaque white for low migration applications	8	+	+	+	0
Ultra Opaque White LMI	04FUW0710.5	0,5 - 1,0	High opacity, low migration Covering white	8	+	+	+	0
Pharma Ultra Opaque White LMI	04FUW0715.5	1,0 - 1,9	High opacity, especially for pre-treated aluminium foils, low migration	8	+	+	+	0

\*) Rotary viscosity - usual values at 25°C, shear rate 160/s.

### Further processing

After complete curing, the print can be further processed immediately.

### Excluded applications

The suitability of opaque white types without LMI marking for applications with special requirements must be tested in advance.

The above LMI marked opaque whites are not permitted for direct food contact.

The use of these inks in food packaging with special requirements e.g. for microwave, baking oven or baby food, must be tested prior to application.

### Storage

Products should be stored cool, dry and in a dark place.

*This technical instruction sheet is designed for your information and reference. It is based on and conforms to our current knowledge. However as actual application is affected by many factors over which we have no control, we are not liable for printing failures.*