

The **Pulsar** range has been developed to meet the performance requirements of the market. The **Pulsar** varnishes cover a wide range of uses, while retaining easy-to-use properties and a high level of quality.

The standard range of Pulsar splits in two families, depending on viscosity and way to use it on press : Pulsar 45-90 for flexo or varnishing units, and Pulsar 150 for ink duct units.

## UV Coating for flexo printing unit or varnishing unit

### Pulsar 45-90

	Blockable	Slip	Remarks
<b>Standard mercury UV lamp</b>			
PULSAR 45 GLOSS	No	High	
VARNISH UV 21730	No	Very high	
PULSAR 90 UV GLOSS STAMPABLE	Yes	Low	
PULSAR 45 GLOSS STAMPABLE	Yes	Medium	
PULSAR 45 GLOSS OFFLINE	No	Medium	Off line on offset inks
PULSAR 45 DIGIT GLOSS	No	High	Digital inks
PULSAR 45 UV MATT STAMPABLE	Yes	Low	
PULSAR 90 MATT	No	Medium	
PULSAR 45 MATT DIGIT	No	Medium	digital inks
PULSAR 90 PRIMER/E3028	Yes	Low	
PULSAR 45 RELEASE GLOSS	No	Very high	
<b>LE UV, HUV, HR UV driers (iron doped lamp) or LED UV lamp</b>			
PULSAR 45 GLOSS LE	No	High	HUV
PULSAR 45 GLOSS LED	No	High	LED
PULSAR 45 GLOSS STAMPABLE LE	Yes	Medium	HUV/LED
PULSAR 45 MATT LE	Yes	Low	HUV/LED

### Packing

5 kg, 25 kg, 200 kg drum, 1000 kg container (depends on references, please contact us)

Please consult material safety data sheet and follow use recommendations

Information and recommendations hereby mentioned are based on our practical experience and on analyses results obtained in specific laboratory conditions. Due to the variety of applications and conditions of use, they are communicated as indications and cannot be considered as any guarantee.

## Inkduct UV varnishes (offset or letterpress)

### Pulsar 150-200

	Blockable	Slip	Remarks
Standard mercury UV lamp			
PULSAR 150 GLOSS	No	High	
PULSAR 150 GLOSS STAMPABLE	Yes	Medium	
PULSAR 150 MATT STAMPABLE	Yes	Medium	
PULSAR 200 MATT LITHO	Yes	Medium	With plate
VERNIS MATT UV 99009	Yes	Low	Very high adhesion
PULSAR 150 PRIMER	Yes	Low	
PULSAR 150 RELEASE/E3418	No	Very high	
LE UV, HUV, HR UV driers (iron doped lamp) or LED UV lamp			
PULSAR 200 GLOSS LE	Yes	Medium	HUV
PULSAR 200 GLOSS LED	Yes	Medium	LED
PULSAR 200 MATT LE	Yes	Medium	HUV, LED

### Packing

from 1 kg to 5 kg UV containers (depends on references, please contact us)

### General recommendations

- **These varnishes are not dedicated to foodstuff packaging application without a functional barrier**
- To be used with inks that are alkali fast and able to be UV varnished
- Shelf life is 1 year from date of manufacture, when stored in original unopened container between 5 and 35°C and protected from direct sun light. After this period of time, the varnish remains useable but should be checked before use.

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