UV Digital Varnishes

Our UV digital varnishes are qualified for the surface finishing of different digital printing systems like HP-INDIGO, Xeikon, Screen, Domino and surface pretreatment for UV-Inkjet printing processes. The requirement for this systems are in part extremely different, therefore we will be please to advise you.
All UV digital varnishes are characterized by very good processability and excellent printing properties. Our LMS varnishes are also suitable for all sensitive applications[4].

For optimum curing of our UV digital varnishes a UV unit (source: mercury vapor lamp) with a lamp output of minimum 120W/cm is recommended.

Storage	Additives[1]	Production
Storage stability in original packaging when stored between 15° and 25°C is 9-12 months. Caution: Protect varnishes from direct sunlight.	9241 PR Antifoam	Special modifications are available on request.
Packaging	**Safety data sheet**	**Hazardous Substances Statement**
10 kg can 200 kg drum	Safety data sheet on request	See safety data sheet

Product-Code	Description	Viscosity 23°C	Gloss [2]	Surface tension	Yellowing	Glueing	Hot Foil Stampable	Application
Varnishes								
PR 9712 LMS	UV Digital Varnish	80s/4mm	89	<30	⊕	⊖	⊖	LMS (low migration) Gloss Varnish, suitable for overprinting of digital prints. For paper and film. Very good flow, high abrasion resistance and good general resistance.
PR 9732 LMS	UV Matt Varnish digital	35s/6mm	20	<30	⊕	⊖	⊖	Very low-viscosity LMS (low migration) Matt Varnish with excellent processability and very good matt value. Low odour and high abrasion resistance.
PR 9751 LMS	UV Gloss Varnish Screen UV TT-overprintable	45s/4mm	95	<30	⊕	⊖	⊖	LMS (low migration) Gloss Varnish with very high gloss values. Special adjustment for the screen printing system, but also applicable to other systems. Suitable for additional TT-printing[3].
PR 9801	UV Digital Varnish	30s/6mm	89	38	⊖	⊖	⊖	Suitable for all papers and foils. Especially suitable for thermalpapers and overprintable with TT-tapes[3]. Also usable as primer for different digital UV inkjet systems.

[1] The addition of additives changes the properties of UV coatings (in particular TT-varnishes) and are use after consultation with our technicians. All UV coatings basically have to be well stirred.
[2] Gloss grade: 90 – 100 ≙ High gloss 65 – 90 ≙ Gloss 35 – 65 ≙ Semi 5 – 35 ≙ Matt
[3] Suitability for hot stamping and printing with thermal transfer tapes should be tested under realistic conditions.
[4] The final qualification of the whole food packaging must be determine in an accredited laboratory.

⊕⊕⊕ very good suitable ⊕⊕ good suitable ⊕ limited suitable ⊖ not suitable

The information contained in this leaflet are intended as guidelines. They are based on experience after thorough testings in the laboratory and testings under realistic conditions. The contents are not legally binding.

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