

Combi UV Premium

Product information

The interactions between printing blankets and print chemistry are decisive factors influencing the performance of a press and thus economic efficiency in the print process.

Combi UV Premium is a printing blanket for flexible use with conventional, hybrid and UV inks.

UV-reactive inks, and likewise many washing solvents, are a frequent cause of blanket swelling. The marking of image areas, in particular, is a known problem and can often lead to a significant shortening of the useful lifetime. Constant blanket changes and the high costs of additional material consumption and downtimes are just two of the undesirable consequences.

The Combi UV Premium blanket possesses a newly developed rubber surface which is particularly resistant to the swelling effect of UV inks and solvents. Constant print quality and a long service life become a matter of course.

Product specification

Colour:	Magenta
Surface:	Ground
Blanket thickness:	1.95 mm
Surface roughness:	$R_A = 0.6 \mu\text{m}$
Micro-hardness [IHRD]:	66
Compressibility:	0.170 mm at 1060 kPa/cm ²
Elongation, overall:	< 2.50 % at 0.88 kN
Surface material:	Solvent-resistant rubber composite

Features and benefits at a glance

Feature	Benefits
Ink- and solvent-resistant	The new surface rubber reduces swelling and marking; surface service life is extended significantly
Exceptionally stable carcass	The loss of thickness after running-in is reduced through strengthening of the rubber and fabric components
Compressible layers with closed cells	Improved compressibility and the greater resistance to smashing and format marking provide for longer useful lifetime of the blanket
Surface composition	Compatibility with typical chemistry and inks is ensured through careful selection of the surface rubber composition

Conventional Premium

Product information

The interactions between printing blankets and print chemistry are decisive factors influencing the performance of a press and thus economic efficiency in the print process.

Conventional Premium is a robust and versatile printing blanket for flexible use across a broad spectrum of production demands.

The Conventional Premium blanket covers the whole range of sheetfed offset products. Its specially ground surface permits the observance of very narrow thickness tolerances and a significantly reduced loss of thickness in use. Proper handling thus enhances not only the useful lifetime of the blanket, but also print quality. The intervals between blanket changes are extended, with a corresponding positive effect on operating costs. The Conventional Premium blanket can be washed with modern print chemistry.

Product specification

Colour:	Green
Surface:	Ground
Blanket thickness:	1.95 mm
Surface roughness:	RA = 0.6 µm
Micro-hardness [IHRD]:	60
Compressibility:	0.170 mm at 1060 kPa/cm ²
Elongation, overall:	< 2.50 % at 0.88 kN
Surface material:	Solvent-resistant rubber composite

Features and benefits at a glance

Feature	Benefits
Newly designed compressible layer	Optimum nip pressure provides for an outstanding print contrast and constant colour density; streaking attributable to mechanical influences is reduced effectively
Ground and polished surface	The surface structure and even blanket thickness provide for optimum ink transfer; perfect release permits precise register control
High-density carcass fabric	More constant film thickness, faster recovery and exceptional smash resistance provide for a significantly longer service life
Versatile rubber-composite surface	The blanket is compatible with modern print chemistry, is simple to keep clean and displays only minimal swelling

CombiCoat Premium

Product information

CombiCoat Premium is a high-quality coating plate for solid and spot coatings on sheetfed offset presses. With its specially formulated polymer face compound, it is equally predestined for the processing of dispersion and UV coatings. The micro-buffed surface also ensures a particularly even coating application.

Constant coating film weights and better control of the plate thickness are just two benefits of the extremely high mechanical strength of the CombiCoat Premium plate. It is suitable for both manual stripping and the use of a CAD/CAM plotter. Effortless separation of the surface layer from the carrier provides for convenient stripping, and the environmentally safe polymer of the stripped surface can be passed for disposal without concerns over special waste regulations.

The plate is available in various thicknesses and widths, and is thus suitable for use on practically every press on the market.

Features

- Exceptionally good transfer of dispersion or UV coatings
- Extremely high dimensional stability
- Can be reused several times
- Increased smash resistance thanks to cotton fabric insert
- Longer runs between washes
- Can be stripped manually or by plotter
- Superior detail reproduction
- Higher gloss levels and coating weight
- No swell with UV coatings

Technical data

Tensile strength	> 2000 N/50 mm
Plate thickness	1.15 mm
Elongation (longitudinal/transverse)	0.80% (10 N/mm load)
Hardness	72 Shore
Micro-hardness	65 Shore
Surface roughness	1.0 – 1.1 µm Ra
Stencil depth	0.80 mm
Swelling	
in a typical blanket wash	< 1 %
in a typical blanket rejuvenator	5 - 6 %