

State of the art

Offset and Dry Offset Printing Plates and Blankets

ps.mmrgroup.pl
formyelastomerowe.pl

You *can* print multiple!

IMPLEMENTING TECHNOLOGY
DELIVERING VALUE

Beverage and aerosol cans Plastic caps and tubes



MMR Group PrintSolutions, in cooperation with Continental, is committed to the continuous improvement of products for offset and dry offset printing, including the printing of cans, tubes and cups, with particular emphasis on a flexible approach to the client's needs and requirements, efficiency and environmental protection.

As the main converter of Continental products we offer state-of-the-art products such as printing plates and transfer blankets customised to client's needs.

**ARE YOU READY TO SAVE ON TRANSFER
BLANKET EXPENSES?**

**HAVE YOU HEARD ABOUT DIRECT
ENGRAVING AND EPDM PRINTING
PLATES WHICH LAST LONGER THAN
PHOTOPOLYMER PLATES?**

**DO YOU WANT TO INCREASE YOUR KPI
OVER THE LONG TERM?**

**DO YOU CARE ABOUT WASTE
REDUCTION AND ENVIRONMENT?**

Save money and resources.

You *can* print multiple!



BCB Advanced

Self-adhesive printing blanket for can printing applications with the possibility of customisation through laser engraved images/texts:

- available in self-adhesive version in desired formats,
- solvent free production,
- "no memory" effect – printing of multiple lithographs without changing the blanket,
- suitable for engraving with CO₂ and fiber/diode laser for VARIABLE PRINTING,
- high resolution laser engravings,
- high dimensional stability – no overlap issues,
- minimal thickness tolerance,
- proper ink transfer,
- long service life,
- highest adhesion with residue-free peel off.

TECHNICAL DATA:

Printing surface: synthetic rubber, fineground, black

Roughness Rz: < 6,0 µm

Surface hardness: 65° Shore A

Carrier: fabric

Nominal thickness: on request

Max. engraving depth: 0,6 mm

Ultimate

Self-adhesive blanket for everyday use, which allows to print multiple jobs without replacing it:

- available in self-adhesive version in desired formats,
- solvent free productions,
- "no memory" effect – printing of multiple lithographs without changing the blanket,
- high dimensional stability – no overlap issues,
- minimal thickness tolerances,
- proper ink transfer,
- long service life,
- highest adhesion with residue-free peel off.

TECHNICAL DATA:

Printing surface: synthetic rubber, fineground, blue

Roughness Rz: < 8,0 µm

Surface hardness: 60° Shore A

Carrier: fabric

Nominal thickness: on request

BCB Classic NEW

A broadly applicable transfer blanket for printing of metal components, bottle caps, beverage cans as well as plastic tubes and plastic packaging:

- available in self-adhesive version in desired formats,
- solvent free production,
- high dimensional stability – no overlap issues,
- minimal thickness tolerance,
- proper ink transfer,
- long service life,
- highest adhesion with residue-free peel off.

TECHNICAL DATA:

Colour: blue

Face compound: solvent resistant, rubber blend

Surface finish: ground – RA 0,5 µm

Surface hardness: 65° Shore A

Nominal thickness: 1,97 ± 0,02 mm incl. tape

Compressibility at 1060 kPa: 0,12 mm

Elongation: <0.70% @ 10 N/mm

Tensile strength: >60 N/mm

RPB

Versatile self-adhesive printing blanket for printing of cylindrical and conical plastic cups and containers. Suitable for water and UV curing ink systems.

- solvent free productions,
- roll material or self-adhesive formats,
- stable in all dimensions,
- minimal thickness tolerances,
- long service life,
- highest adhesion with residue-free peel off.

TECHNICAL DATA:

Printing surface: synthetic rubber, no ground, brown

Roughness Rz: < 7.0 µm

Surface hardness: 68° Shore A

Nominal thickness: 2,20 ± 0,02 mm incl. tape



CML

Printing plate for the finest structures in tubes, cups and cans applications. Suitable for water-, solvent based and UV curing ink systems:

- overall dimensional stability,
- high-resolution engraving ideal for HD printing,
- consistent print,
- specially selected steel base for repeated mounting and dismounting,
- long service life, ideal for repetitive jobs or long series,
- perfect ink transfer when combining the CML printing plate and printing blankets due to concerted surface properties.

TECHNICAL DATA:

Printing surface (Solvent-free): EPDM / black

Surface: fineground

Roughness Rz: < 8.0 µm

Surface hardness: 65° Shore A | 80° Shore A

Carrier: steel based, magnetic

Nominal thickness: 0,73 mm, 0,83 mm, 0,95 mm

Max. engraving depth (accordingly):
0,4 mm; 0,5 mm; 0,6 mm

3-piece can printing



MMR Group PrintSolutions offers printing blankets for offset printing, and supplies them with the appropriate bars for all types of offset presses existing on the market for 3-piece can printing.

Additionally, MMR Group PrintSolutions provides directly engraved plates for printing and varnishing. It has its own DTP studio and 3D fiber lasers for direct engraving of printing plates. The company's portfolio also includes other printing materials such as cleaning cloths and printing chemicals.

PRINTING BLANKETS FOR BOTH OFFSET AND DRY OFFSET:

Navy Green

for conventional and hybrid printing in metaldeco

The ultra durable premium blanket for high-end metal decoration offset printing. Highly suitable for hybrid applications due to its neutral feeding characteristic. Stable dot reproduction especially in half tones.

TECHNICAL DATA:

Colour: green

Thickness available: 1,96 mm

Surface: fineground

Surface hardness: 55° Shore A

Total hardness: 79° Shore A

Compressibility at 1,350 kPa: 0,187 mm

Elongation at 500N/ 5 cm: 0,70%

Thickness available: 1,96 mm

Ebony

for conventional and hybrid printing in metaldeco

The number one sheet-fed hybrid blanket for conventional and metal decoration. Ebony is highly suitable for printing with specially pigmented inks for metal decoration. It is resistant to conventional, hybrid and UV inks as well as all kinds of washes. It has a very good quick release of metal sheets and gives a relatively good lifespan when changing the inks from conventional to UV and the other way around. Optimal for solid and half tone printing.

TECHNICAL DATA:

Colour: black

Surface: fineground

Surface hardness: 55° Shore A

Total hardness: 79° Shore A

Compressibility at 1,350 kPa: 0,187 mm

Elongation at 500N/ 5 cm: 0,70%

Thickness available: 1,96 mm

Ruby CARAT

for premium UV printing

The number one UV blanket for metal decoration. Highly suitable for all UV applications, optimal for screen and solid applications. EPDM surface compound is resistant to UV inks and aggressive washing solutions.

TECHNICAL DATA:

Colour: ruby red

Surface hardness: approx. 55° Shore A

Total hardness: approx. 78° Shore A

Compressibility at 1350 kPa: approx. 9 %

Elongation at 500N/ 50mm: 0.9 %

Thickness available: 1,96mm

Bestcure UV

for UV/ LE/ LED-UV printing

Specially designed blanket for sheet-fed printing in UV and LED UV (suitable only for pure UV and low energy printing). It has high swelling resistance to UV inks and washes due to the unique top compound, excellent smash resistance, as well as very good dot sharpness and smooth printing of solids.

TECHNICAL DATA:

Colour: blue

Surface hardness: ca. 55° Shore A

Total hardness: ca. 78° Shore A

Compressibility at 1,350 kPa: 0,220 mm

Elongation at 500N/ 5 cm: ca. 0,7%

Thickness available: 1,96 mm

Topaz

for metaldeco

All-round blanket for sheet-fed offset printing and metaldeco, specially designed for frequent metal sheet format and thickness changes. Suitable for hybrid applications and switching between UV and conventional inks. Stable for solid and half tone printing. Excellent service life.

TECHNICAL DATA:

Colour: blue

Surface hardness: approx. 59° Shore A

Total hardness: approx. 80° Shore A

Compressibility at 1,350 kPa: approx. 10%

Elongation at 500N/ 5 cm: approx. 0,9%

Thickness available: 1,96 mm

IN-LINE AND OFF-LINE VARNISHING PLATES FOR METAL DECORATION:

Dynacoat

High-quality polyback varnishing plate, suitable for application with dispersion and UV varnishes (UV mat varnishes and all commercially available soft touch varnishes), for the highest demands in premium spot varnishing in metal decoration. The product has optimal properties for manual cutting (free-form select) as well as for cutting on CAD/ CAM plotters.

TECHNICAL DATA:

Colour: black

Surface: microground

Surface hardness: 48° Shore A

Total hardness: 83° Shore A

Compressibility at 1,350 kPa: 0.100 (1,15)/ 0.130 mm (1,35)

Elongation at 500 N/5 cm: no elongation

Overall thickness available: 1,15/ 1,35 mm

Stripping depth: 0,80 mm (1,15)/ 1,00 mm (1,35)

Nitrocoat

EPDM rubber polyback varnishing plate, resistant to all types of varnishes and washing solutions, suitable for application with special UV high gloss, sealable, matt and deep mat varnishes. Novaspot has optimal properties for manual cutting as well as for cutting on CAD/ CAM plotters. It maintains stability with overpressing, especially in metal decoration of inline coaters.

TECHNICAL DATA:

Colour: green

Surface hardness: 47° Shore A

Total hardness: 77° (1,15mm), 72° (1,35mm), 61° (1,95mm) Shore A

Compressibility at 1,350 kPa: ca. 9 %

Elongation: no elongation

Thickness available: 1,15 mm/ 1,35 mm/ 1,95 mm

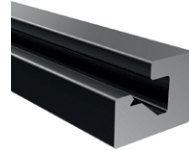
Stripping depth: 0,80 mm (1,15)/ 1,00 mm (1,35)/ 1,60 mm (1,95)

Roughness RZ: 4 µm

Roughness RA: 0,5 µm

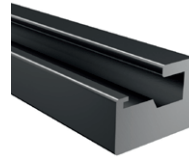
MASTERBARS FOR MAILANDER/ KBA MACHINES:

Master bar used for blankets fitted with SM-AL 20 bars.



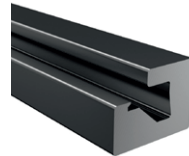
Dimintions	mm
Total width	30,00
Total thickness of bar	22,00

Master bar used for blankets fitted with SM-AL 43 bars.



Dimintions	mm
Total width	30,00
Total thickness of bar	22,00

Master bar used for blankets fitted with N-type 20 bars.



Dimintions	mm
Total width	30,00
Total thickness of bar	22,00

FOUNTAIN SOLUTIONS AND REMOVERS WITH ISEGA CERTIFICATE FOR UV PRINTING:

MMR Lithofount 460

for use with IPA

Fountain solution for the different types of water hardness, it can be used in printing with conventional and UV inks with IPA dosing. Fountain solution dosing: 2-3%, IPA dosing: 6-9%. Product has SWAN Eco label certificate.

ADVANTAGES AND BENEFITS:

- high PH stability,
- fast start-up with minimum paper waste,
- optimal print quality and color stability on high-speed printing machines,
- suitable for use with any wetting system,
- compatibility with all types of CTP plates,
- versatility (for use with water of different hardness),
- reduced possibility of calcium carbonate appearing on rollers,
- suitable for use with various types of inks (conventional, UV, LE, H-UV, LED).

MMR Lithofount 545

for IPA-reduced printing

Fountain solution for IPA-reduced printing, designed for conventional and UV/LED UV inks. Fountain solution dosing: 3-4%, IPA dosing: up to 6%. Product has SWAN Eco label certificate.

ADVANTAGES AND BENEFITS:

- optimal print quality and color stability also on high-speed machines,
- reduction or elimination of the need to use IPA,
- fast start-up with minimum paper waste,
- suitable for use with any wetting system,
- versatility (for use with water of different hardness types),
- contains corrosion inhibitors and prevents the deposition of calcium carbonate,
- suitable for use with various types of metaldeco inks (conventional, UV, LED).

MMR Lithofount Zero

for IPA-free printing

Fountain solution for IPA-free printing, which contains a drying aid. Fountain solution dosing: 3-4%, with no IPA dosing properties. Product has SWAN Eco label certificate.

ADVANTAGES AND BENEFITS:

- optimal print quality and color stability even on poorly absorbing substrates,
- better print drying (possibility of faster processing),
- elimination of the need to use IPA,
- fast start-up with minimum paper waste,
- suitable for use with any wetting system,
- versatility (for use with water of different hardness),
- contains corrosion inhibitors and prevents the deposition of calcium carbonate,
- suitable for use only with conventional metaldeco sheet-fed inks.

MMR STABILITY PRO

A patented 2 in 1 solution (fountain with NPA), plugged to alcohol dosage system, designed to reduce ink usage up to 15% and dampening levels by up to 20%. It reduces a start-up waste of metal sheets. Supplied in 25 l jerrycans.

ADVANTAGES AND BENEFITS:

- sharper dot and lower dot gain,
- faster colour balance,
- faster drying for quicker back-ups,
- less maintenance down time on press,
- higher flashpoint at 105° degrees, ensures safety while printing.

MMR Prima Wash 60

Low odour, relatively fast drying wash for blanket and rollers, which effectively removes gum glaze, inks and all other water miscible contaminants, leaving a smooth, ink receptive surface. It prevents oxidation and swelling of the rubber, as well as reduces blanket tack. ISEGA approved for food contact printing.

MMR PrimaUV Wash 80

Low odour, medium drying, water miscible blanket and roller wash, specifically developed for UV/ LED applications. It keeps rollers and blankets ink-receptive, prevents oxidation and swelling of the rubber, as well as reduces blanket tack. Suitable for manual or automatic use, safe to use on EPDM. ISEGA approved for food contact printing.

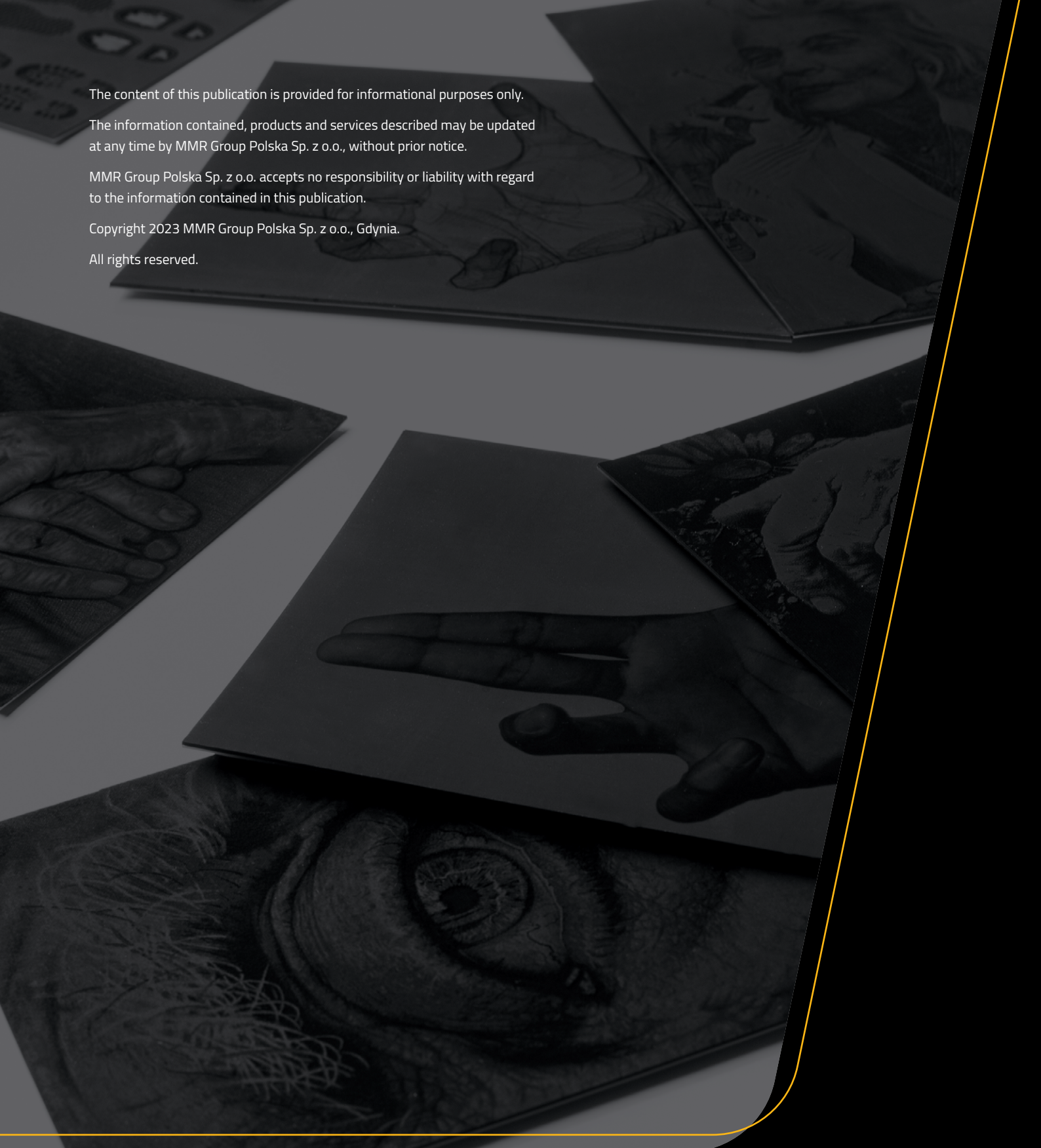
CLEANING CLOTHS:

Masterclean Perfect IQ Aqua

Specially designed nonwoven cleaning cloth, made of polyester fibers and cellulose pulp, suitable for all types of KBA Metal Star machines. Masterclean Perfect IQ Aqua cleaning cloth has been certified by FOGRA Institute for KBA machines. The available formats are: 1300/1310mm x 500 long meters (jumbo).

MMR Cleanteq IQ and Cleanteq HQ perforated washcloths for dispensers

Specially designed two types of wash cloths, perforated into a leaf format. Suitable for cleaning a wide variety of machine components without leaving any grease or fuzz on the surface.



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