
















BöttcherTop NewUV

UV-Blanket

Especially developed for the new generation of low energy UV-inks (HUV, LE-UV, LED-UV)

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|--------------------|--------------------------------|
| → Presses | Sheetfed |
| → Packing height | Conform to OEM recommendations |
| → Substrates | Paper & Carton |
| → Inks | UV |
| → Wash-up solvents | UV |
| → Fount solutions | IPA and alcohol substitutes |

Application

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|---|--|
| → Original EPDM surface compound developed for the new generation of low energy UV-inks | <ul style="list-style-type: none">  Exceptional swell resistance to polar components found in UV inks and UV cleaning fluids  High resistance to UV-lamps  No retain images, relief images and ghosting  No ink back-trapping, yellow getting dirty |
| → Micro-ground and polished printing surface, controlled roughness (0,9 – 1,2 µm) | <ul style="list-style-type: none">  Sharp and well defined dots  Full dots, dense and well-spread solids  Handles a wide range of substrates (Paper & Carton)  Excellent release of the printed substrate (Quick Release)  Reduced ink and paper dust piling |
| → 3-ply construction offering thicker than standard compressible layer | <ul style="list-style-type: none">  Excellent resistance to excess-pressure (double/folded sheets, format changes/edge cuts, piling, etc)  Low tendency for heat-built-up (great stability of the ink/ water balance)  Compensates for mechanical shortcomings such as cylinderbounce (streaks), press specific vibrations and press wear  Handles uneven substrates with ease |
| → Stable carcass manufactured from pre-stretched calendered fabrics | <ul style="list-style-type: none">  Minimum residual elongation, controlled gauge loss  High dimensional stability, also on big format sheet-fed presses |

Properties / Benefits

Construction

Fabric Plies:	3
Compressible layer:	closed cell
Identification lines:	none

Surface

Colour:	light purple
Surface finish:	ground and polished
Roughness (Ra):	0.9 – 1.2 μm
Surface micro-hardness:	52° Shore A

Physical properties

Overall hardness:	78° Shore A
Tensile strength:	> 4000N/50 mm
Elongation at 500N/50 mm:	< 1.0 %
Gauge loss at tensioning / running in:	< 2 %
Indentational at 100N/cm ² :	0.13 mm (6.6 %)
Indentational at 200N/cm ² :	0.21 mm (10.7 %)

Gauge

Nominal gauge:	1.96 mm (+/- 0.02 mm)
Gauge uniformity per blanket of max. 1 m ² :	+/- 0.015 mm

