

Printing blankets

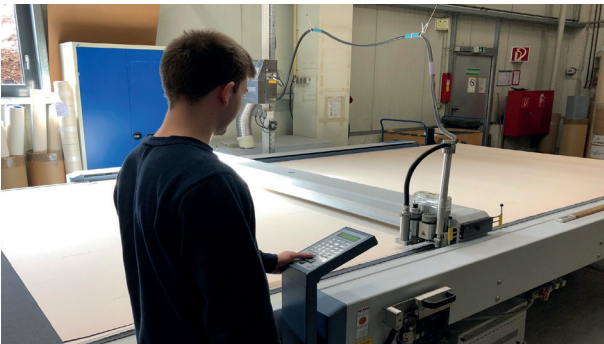
Innovative technology for a perfect print result and trouble-free production

Preview

Böttcher is a leading printing blanket supplier to the printing industry worldwide with direct sales activities in 5 continents and over 35 countries. Böttcher printing blankets are also available from independent local dealers in many countries where Böttcher has no direct presence.

To offer state-of-the-art converting (cutting & barring) as well as optimum service, Böttcher also has own printing blanket converting operations all over the globe.

Cutting: Depending on the region of the globe and on volumes handled, blankets are cut on modern fully automatic cutting tables or on purpose-built high-precision cutting tables which guarantee accurate blanket dimensions as well as perfect blanket squareness.



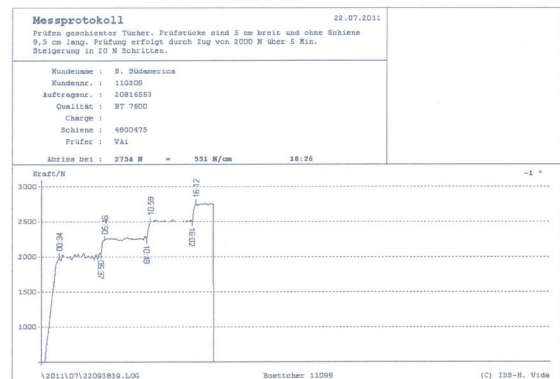
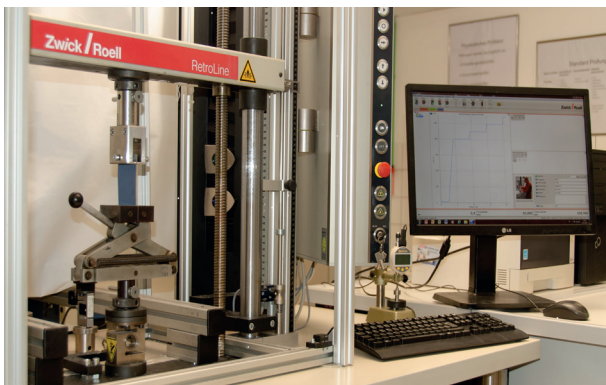
Gluing of bars: The glue is applied using a glue gun and a set of glue nozzles. This ensures that the proper glue stripe (width and thickness) required by every individual bar is applied onto the blanket prior to mounting and pressing the bar.



Barring: Bars are pressed on heavy barring presses ensuring uniform pressure all along the bar as well as uniform and consistent closed bar thickness.



Quality control: The final step in the process is quality control whereby blankets are checked on thickness with appropriate gauge control devices as well as on bar pull strength (every single order for web offset blankets, random but regular basis for sheet-fed blankets) with specially developed bar pull test equipment connected to a PC. Blankets have to conform to most stringent OEM requirements in terms of dimensions, thickness, squareness and bar pull strength to ship.



Product range: Böttcher offers a full range of printing blankets for all possible applications. Differences between blankets are many: surface rubber compound, surface roughness, surface micro-hardness, construction, compressibility, technology of compressible layer, etc...

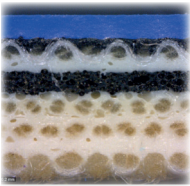
- Sheet-fed blankets with regular chemical resistance suitable for use with conventional inks only.
- Sheet-fed blankets with enhanced chemical resistance suitable for use with conventional inks as well as in hybrid/mixed-mode operations.
- Sheet-fed blankets for UV printing suitable for use with traditional UV inks.
- Sheet-fed blankets for **low-energy UV** printing suitable for use with LED-UV, LE-UV, H-UV, HR-UV inks.
- Specialty sheet-fed blankets.
- Blankets for coldset web offset.
- Blankets for heatset web offset.
- Self-adhesive blankets.

Sheet-fed blankets for conventional inks

(regular chemical resistance)

Superior printing features

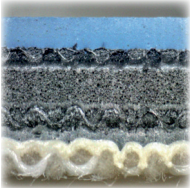
BöttcherTop 3201



The four-ply construction gives this blanket increased total hardness, which in combination with a smoothly ground and polished printing surface ensures not only low dot gain but also well-defined dots. The reduced micro-hardness of the surface rubber ensures excellent coverage of solids with ink especially on uneven and rough substrates: solids are dense and well-spread, dots are full. The surface compound is highly hydrophilic and was developed specifically for alcohol-reduced and alcohol-free printing applications: ink build-up, ink back-trapping from previous printing units and paper-dust piling are reduced to a minimum.

Area of application: paper and carton. **Nominal gauge:** 1.96mm.

BöttcherTop 8000

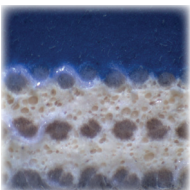


The three-ply construction offers room for a reinforced compressible layer that makes this blanket highly resistant to excess pressure (double sheets, folded sheets, format changes). The high micro-hardness of the surface rubber minimizes dot gain and ensures good edge-cut and abrasion resistance. The controlled surface roughness guarantees balanced half-tone and solid quality, a broad print substrate spectrum and quick release of all print substrates.

Area of application: paper and carton. **Nominal gauge:** 1.96 mm.

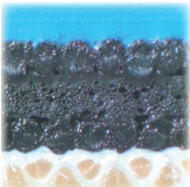
Superior mechanical features

BöttcherTop 7700



The construction comprising two compressible layers combines the benefits of hard and soft blankets. The first compressible layer with a high concentration of microspheres operates all the time and fulfils the normal mission of a compressible layer. It offsets irregularities in substrate thickness and compensates for mechanical defects such as cylinder bounce, press specific vibrations and press wear. The second compressible layer with a lower microsphere concentration only comes into operation when the first one is fully compressed and efforts are transmitted to it. It assumes all mechanical functions relating to smash protection (double sheets, folded sheets), format changes, etc. The controlled surface roughness guarantees balanced half-tone and solid quality, a broad print substrate spectrum and quick release of all print substrates. **Area of application:** paper and carton. **Nominal gauge:** 1.96mm.

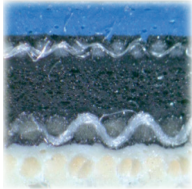
BöttcherTop 3900



The three-ply construction offers room for a reinforced compressible layer that makes this blanket highly resistant to excess pressure (double sheets, folded sheets, format changes). The medium micro-hardness of the surface rubber ensures good edge-cut and abrasion resistance. The controlled surface roughness guarantees balanced half-tone and solid quality, a broad print substrate spectrum and quick release of all print substrates.

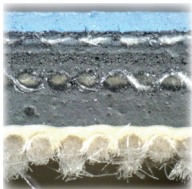
Area of application: paper and carton. **Nominal gauge:** 1.96mm.

BöttcherTop 4500



The three-ply construction offers room for a reinforced compressible layer that ensures excellent resistance to excess pressure (double sheets, folded sheets, format changes). The compressible layer has a high concentration of microspheres and compensates for mechanical defects such as cylinder bounce, press specific vibrations and press wear. The medium micro-hardness of the surface rubber ensures good edge-cut and abrasion resistance. The controlled surface roughness guarantees balanced half-tone and solid quality, a broad print substrate spectrum and quick release of all print substrates. **Area of application:** paper and carton. **Nominal gauge:** 1.96mm.

BöttcherTop 8100

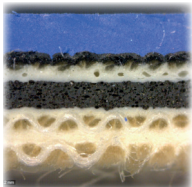


The printing surface has a roughness of Ra: 1.2-1.5µm and is thus rougher than on standard sheet-fed blankets. The enhanced roughness provides for excellent mechanical release (quick-release effect) of lightweight print substrates (e.g. sheet aluminium and fine paper) as well as increased ink transfer. The combination of high micro-hardness surface rubber and of a carcass with reduced compressibility offers this blanket balanced half-tone and solid quality though.

Area of application: metal and paper. **Nominal gauge:** 1.96mm.

Superior printing & mechanical features

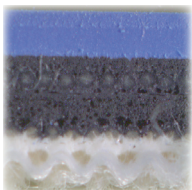
BöttcherTop 5400



The three-ply construction offers room for a reinforced compressible layer with a high concentration of microspheres that ensures excellent resistance to excess pressure (double sheets, folded sheets, format changes) and compensates for mechanical defects such as cylinder bounce, press specific vibrations and press wear. It also offsets irregularities in substrate thickness. The surface compound is highly hydrophilic and was developed specifically for alcohol-reduced and alcohol-free printing applications: ink build-up, ink back-trapping from previous printing units and paper-dust piling are reduced to a minimum. The reduced micro-hardness of the surface rubber ensures excellent coverage of solids with ink especially on uneven and rough substrates: solids are dense and wellspread, dots are full. The controlled surface roughness provides for well-defined dots, balanced half-tone and solid quality and excellent sheet release.

Area of application: paper and carton. **Nominal gauge:** 1.96 mm.

BöttcherTop 7200

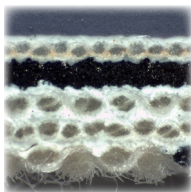


The construction comprising two compressible layers combines the benefits of hard and soft blankets. The first compressible layer with a high concentration of microspheres operates all the time and fulfils the normal mission of a compressible layer. It offsets irregularities in substrate thickness and compensates for mechanical defects such as cylinder bounce, press specific vibrations and press wear. The second compressible layer with a lower microsphere concentration only comes into operation when the first one is fully compressed and efforts are transmitted to it. It assumes all mechanical functions relating to smash protection, format changes, etc. The surface compound is highly hydrophilic and was developed specifically for alcohol-reduced and alcohol-free printing applications: ink build-up, ink back-trapping from previous units and paper-dust piling are reduced to a minimum. The reduced micro-hardness of the surface compound ensures excellent coverage of solids with ink especially on uneven and rough substrates: solids are dense and well-spread, dots are full. The controlled surface roughness provides for well-defined dots, balanced half-tone and solid quality and excellent sheet release. **Area of application:** paper and carton. **Nominal gauge:** 1.96 mm.

Sheet-fed blankets for conventional inks & hybrid operations (enhanced chemical resistance)

Superior printing features

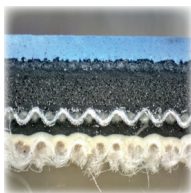
BöttcherTop 4400



The four-ply construction gives this blanket increased total hardness, which in combination with a very smoothly ground and polished printing surface ensures not only low dot gain but also sharp and well-defined dots. The medium micro-hardness of the surface rubber ensures excellent coverage of solids with ink especially on uneven and rough substrates: solids are dense and well-spread, dots are full. The surface compound consisting of carefully matched polymers and fillers offers unmatched chemical resistance and controlled swelling in hybrid/mixed-mode operations.

Area of application: paper and carton. **Nominal gauge:** 1.96mm.

BöttcherTop 8200

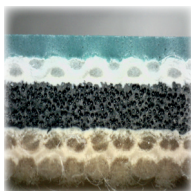


The three-ply construction offers room for a reinforced compressible layer that ensures excellent resistance to excess pressure (double sheets, folded sheets, format changes). It also offsets irregularities in substrate thickness. The high micro-hardness of the surface rubber minimizes dot gain and ensures good edge-cut and abrasion resistance. The surface compound consisting of carefully matched polymers and fillers offers excellent chemical resistance and controlled swelling in hybrid/mixed-mode operations and is very well suited for use in alcohol-reduced/alcohol-free printing. The very smoothly ground and polished printing surface guarantees sharp and well-defined dots, optimum dot gain and contrast readings as well as easy cleaning.

Area of application: paper and carton. **Nominal gauge:** 1.96mm.

Superior mechanical features

BöttcherTop 6600



The compressible layer is produced using the blowing agent technology rather than the widely used microsphere technology. It works with excess pressure rather than atmospheric pressure. Consequently, the blanket offers instant rebound, low energy loss over time and extended service life. These advantages are enhanced by the three-ply construction, which affords room for a reinforced compressible layer. The blanket features outstanding excess-pressure resistance (double sheets, folded sheets, format changes) and compensates for mechanical defects such as cylinder bounce, press specific vibrations and press wear. The surface compound consisting of carefully matched polymers and fillers offers unmatched chemical resistance and controlled swelling in hybrid/mixed-mode operations. The controlled surface roughness guarantees balanced half-tone and solid quality, a broad print substrate spectrum and quick release of all print substrates

Area of application: paper and carton **Nominal gauge:** 1.96mm.

BöttcherTop Rainbow

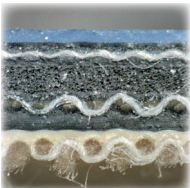


Very versatile blanket developed to cover a broad range of applications: paper, carton and metal, coated and uncoated substrates, conventional and hybrid inks, with alcohol and alcohol-reduced/alcohol-free. The three-ply construction offers room for a reinforced compressible layer that ensures excellent resistance to excess pressure (double sheets, folded sheets, format changes) and offsets irregularities in substrate thickness. The medium micro-hardness of the surface rubber ensures good edge-cut and abrasion resistance as well as good coverage of solids with ink especially on uneven and rough substrates: solids are dense and well-spread, dots are full. The controlled surface roughness guarantees balanced half-tone and solid quality as well as quick release of all print substrates which minimizes stock delamination and facilitates circumferential registration.

Area of application: paper, carton and metal. **Nominal gauge:** 1.96mm.

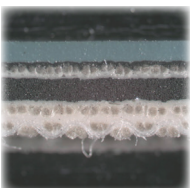
Superior printing & mechanical features

BöttcherTop 8600



The compressible layer integrates the most recent generation of microspheres, which offers instant rebound, reduced energy loss over time and extended service life. The three-ply construction, which provides room for a reinforced compressible layer, enhances the positive effects. The high micro-hardness of the surface rubber minimizes dot gain and ensures good edge-cut and abrasion resistance. The very smoothly ground and polished printing surface guarantees sharp and well-defined dots, optimum dot gain and contrast readings as well as easy cleaning. The surface compound consisting of carefully matched polymers and fillers offers excellent chemical resistance and controlled swelling in hybrid/mixed-mode operations and is very well suited for use in alcohol-reduced/alcohol-free printing. **Area of application:** paper and carton. **Nominal gauge:** 1.96mm.

BöttcherTop 4K-Mix



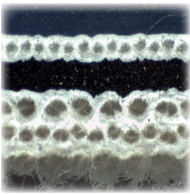
The printing surface is very smoothly ground and polished and has a unique texture offering optimum ink transfer. It guarantees sharp and well-defined dots, optimum dot gain and contrast readings, dense and well-spread solids as well as easy cleaning. It also offers exceptional release properties, minimizes picking and facilitates registration on light weight substrates. The medium micro-hardness of the surface rubber ensures good edge-cut and abrasion resistance. The three-ply construction offers room for a reinforced compressible layer that ensures excellent resistance to excess pressure (double sheets, folded sheets, format changes). The compressible layer has a high concentration of robust and instant rebound microspheres and compensates for mechanical defects such as cylinder bounce, press specific vibrations and press wear in an unprecedented way. The surface compound consisting of carefully matched polymers and fillers offers excellent chemical resistance and controlled swelling in hybrid/mixed-mode operations and is very well suited for use in alcohol-reduced/alcohol-free printing.

Area of application: paper and carton. **Nominal gauge:** 1.96mm.

Sheet-fed blankets for UV printing (traditional UV inks)

Superior printing features

BöttcherTop 4800



The four-ply construction gives the blanket increased overall hardness which, in combination with a smoothly ground and polished printing surface, ensures not only low dot gain but also sharp and well-defined dots as well as dense, well-spread solids. The reduced micro-hardness of the surface rubber ensures excellent coverage of solids with ink especially on uneven and rough substrates: solids are dense and well-spread, dots are full. The EPDM surface compound is extremely swell-resistant to the polar components of UV inks and UV washes and is hardly affected by retain images from previous jobs.

Area of application: paper, carton, plastic/foil and metal. **Nominal gauge:** 1.96mm.

BöttcherTop Strip n' Print UV

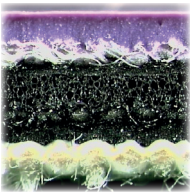


A new concept of strippable printing blanket to avoid picture framing (ink accumulation on blanket and impression cylinder outside sheet-size) in UV printing. The blanket has a two-part compressible layer (high/low content of closed cells) that makes it prompt and easy to strip. The deep stencil profile (0.9mm) prevents from ink accumulation on blanket and impression cylinder outside the sheet size. The four-ply construction gives the blanket increased overall hardness which, in combination with a smoothly ground and polished printing surface, ensures not only low dot gain but also sharp and well-defined dots as well as dense, well-spread solids. The reduced micro-hardness of the surface rubber ensures excellent coverage of solids with ink especially on uneven and rough substrates: solids are dense and well-spread, dots are full. The EPDM surface compound is extremely swell-resistant to the polar components of UV inks and UV washes and is hardly affected by retain images from previous jobs.

Area of application: paper, carton and plastic/foil. **Nominal gauge:** 1.96mm.

Superior mechanical features

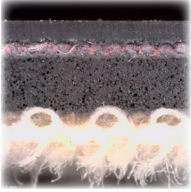
BöttcherTop 8800



The three-ply construction offers room for a reinforced compressible layer, which ensures excellent resistance to excess pressure (double sheets, folded sheets, format changes). It also offsets irregularities in substrate thickness. The high micro-hardness of the surface rubber minimizes dot gain and ensures good edge-cut and abrasion resistance. The EPDM surface compound is extremely swell-resistant to the polar components of UV inks and UV washes and is hardly affected by retain images from previous jobs. The smoothly ground and polished printing surface guarantees sharp and well-defined dots, optimum dot gain and contrast readings as well as easy cleaning.

Area of application: paper, carton, plastic/foil and metal. **Nominal gauge:** 1.96mm.

BöttcherTop Ghosthunter UV

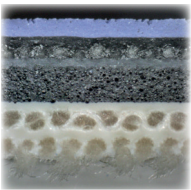


The blanket designed to minimize ghosting/retain images from previous jobs. The black EPDM surface compound uses carbon black as a filler. It is extremely swell resistant to polar components found in UV inks and UV washes. UV inks are not burning in readily and are easy to clean out, sensitivity to UV lamps is minimum. The three-ply construction has room for a reinforced compressible layer, which ensures excellent resistance to excess pressure (double sheets, folded sheets, format changes). It also offsets irregularities in substrate thickness. The high micro-hardness of the surface rubber minimizes dot gain and ensures good edge-cut and abrasion resistance. The controlled surface roughness guarantees balanced half-tone and solid quality, a broad print substrate spectrum and quick release of all print substrates.

Area of application: paper, carton, plastic/foil and metal. **Nominal gauge:** 1.96mm.

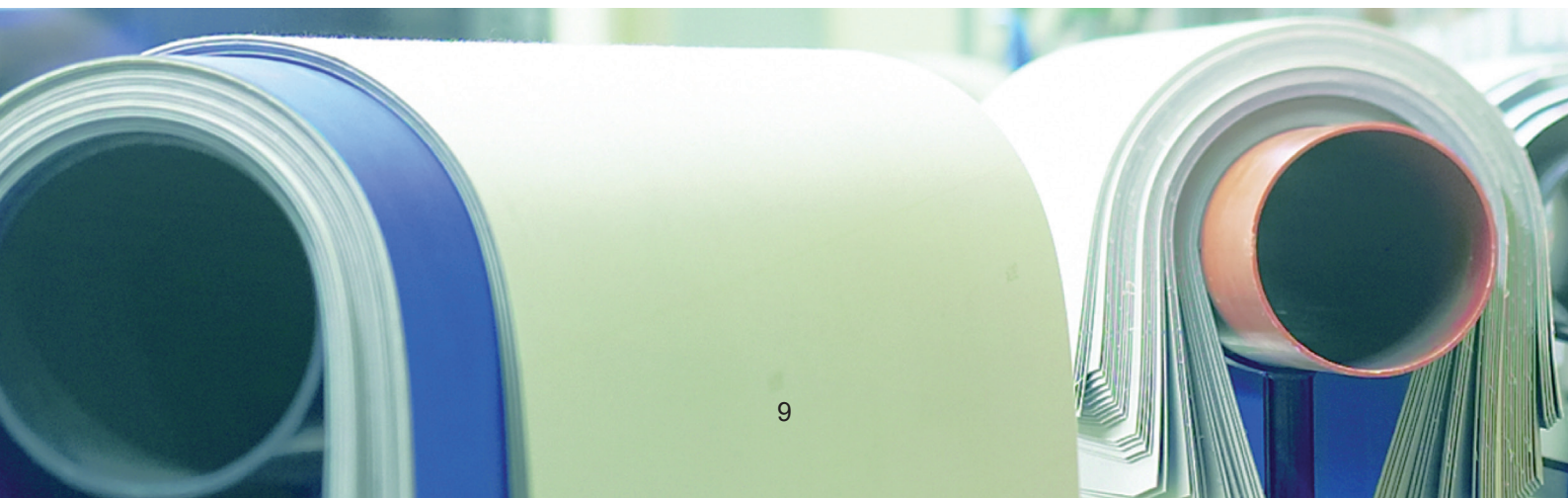
Superior printing & mechanical features

BöttcherTop 4K-UV



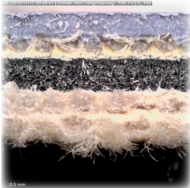
The blanket for high-definition printing in a mechanically demanding UV environment. The EPDM surface compound is extremely swell-resistant to the polar components of UV inks and UV washes and is hardly affected by retain images from previous jobs. The smoothly ground and polished printing surface ensures sharp and well-defined dots, dense and well-spread solids while keeping ink piling outside sheet size (picture framing) under control. The medium micro-hardness of the surface rubber ensures good edge-cut and abrasion resistance as well as good coverage of solids with ink. The three-ply construction has room for a reinforced compressible layer with a high concentration of microspheres, which ensures excellent resistance to excess pressure (double sheets, folded sheets, format changes) and compensates for mechanical defects such as cylinder bounce, press specific vibrations and press wear. It also offsets irregularities in substrate thickness.

Area of application: paper, carton, plastic/foil and metal. **Nominal gauge:** 1.96mm.



Sheet-fed blankets for low-energy UV printing (LED-UV, LE-UV, H-UV, HR-UV inks)

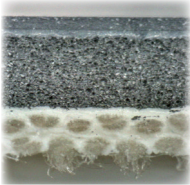
BöttcherTop NewUV



The original EPDM surface compound has been designed to overcome recurring blanket issues in low-energy UV printing, namely ghosting/retain images from previous jobs and ink back-trapping in the yellow. The smoothly ground and polished printing surface, ensures not only low dot gain but also sharp and well-defined dots as well as dense, well-spread solids. The reduced micro-hardness of the surface rubber ensures excellent coverage of solids with ink especially on uneven and rough substrates: solids are dense and well-spread, dots are full. The three-ply construction has room for a reinforced compressible layer, which ensures excellent resistance to excess pressure (double sheets, folded sheets, format changes). It also offsets irregularities in substrate thickness. **Area of application:** paper, carton, plastic/foil and metal. **Nominal gauge:** 1.96mm.

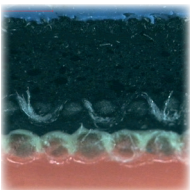
Specialty sheet-fed blankets

BöttcherTop 4x4 micro-flute



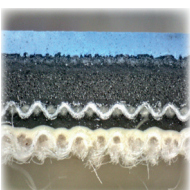
The blanket was developed specifically for direct offset printing on micro-flute board. It is extremely compressible as a result of its higher than standard thickness and of its two-ply construction offering room for a reinforced compressible layer with a high concentration of microspheres. The surface flexibility is further enhanced by the construction with no fabric between printing surface and compressible layer. The blanket offers optimum ink transfer in the “valleys” of micro-flute board, avoids board structure show-through in the printed image and does not affect the stability of the substrate. **Area of application:** micro-flute board. **Nominal gauge:** 2.07mm

BöttcherTop All-Inclusive



The packing material is integrated within the blanket, which makes life much simpler and safer for printers: no more orders for packing material, no risk that the required packing thickness is missing, no packing changes, the assurance of working with the optimum packing height, no packing creep, etc. The concept also optimizes blanket service life thanks to increased smash resistance and minimizes doubling. The surface compound consisting of carefully matched polymers and fillers offers excellent chemical resistance and controlled swelling in hybrid/mixed-mode operations. The smoothly ground and polished printing surface ensures not only low dot gain but also well-defined dots as well as dense, well-spread solids. **Area of application:** paper and carton. **Nominal gauges:** 2.35mm and 2.55mm.

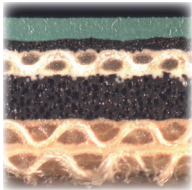
BöttcherTop ColdFoil



The blanket was developed specifically for cold foil applications. A thin silicone layer is grafted on the surface rubber of a standard blanket. The blanket is anti-static, has unique release properties and is highly scratch and rub resistant. The metallic foil can be adhered to the substrate without the foil having a tendency to adhere to the blanket. **Area of application:** cold foil. **Nominal gauge:** 1.96mm

Blankets for coldset web offset

BöttcherTop 7600



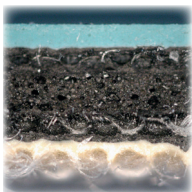
The 1.95mm blanket for web offset newspaper presses in the satellite configuration (rubber/steel contact). The BT7600 is characterized by a construction consisting of two compressible layers in different technologies (microspheres and blowing agents). The absence of fabric between the printing surface and the first compressible layer ensures neutral web feed and balanced power take-up on shaftless newspaper webs. Guaranteed by the two compressible layers, the high compressibility provides for excellent resistance to excess pressure and low heat build-up, while compensating for mechanical defects such as cylinder bounce, press specific vibrations and press wear. The hydrophilic printing surface with controlled roughness offers full dots, dense and well-spread solids, reduced piling of paper dust and ink particles as well as extended cleaning intervals. The carcass meets all requirements for modern coldset blankets in terms of dimensional and register stability and gauge loss. **Nominal gauge:** 1.96m.

BöttcherTop 8600 Web



The 1.95mm blanket for web offset newspaper presses in the 4-High configuration (rubber/rubber contact). The hydrophilic surface compound offers low paper-dust and ink-particle build-up as well as extended cleaning intervals. The controlled surface roughness provides for balanced half-tone and solid quality, optimum ink coverage and excellent web release. The construction with fabric between the printing surface and the compressible layer and the narrow compressibility window ensure the slightly positive web feed required by newspaper presses having a rubber/rubber contact as well as consistent feed characteristics from production batch to production batch. The highly compressible three-ply construction offers instant rebound, excellent resistance to excess pressure, low heat build-up and long service life. The carcass meets all requirements for modern coldset blankets in terms of dimensional and register stability and gauge loss. **Nominal gauge:** 1.96mm.

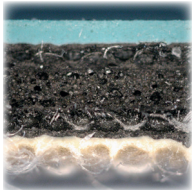
BöttcherTop 8300



The 1.70mm blanket for single-width web offset newspaper presses in the 4-High configuration (rubber/rubber contact). The hydrophilic surface compound offers low paper-dust and ink-particle build-up as well as extended cleaning intervals. The controlled surface roughness provides for balanced half-tone and solid quality, optimum ink coverage on all substrates and excellent web release. The construction with fabric between the printing surface and the compressible layer and the narrow compressibility window ensure the slightly positive web feed required by newspaper presses having a rubber/rubber contact as well as consistent feed characteristics from production batch to production batch. The highly compressible three-ply construction offers instant rebound, excellent resistance to excess pressure, low heat build-up and long service life. The carcass meets all requirements for modern coldset blankets in terms of dimensional and register stability and gauge loss. **Nominal gauge:** 1.71mm.

Blankets for heatset web offset

BöttcherTop 8300



The 1.70mm blanket for high-speed web-heatset presses in all widths. The hydrophilic surface compound offers low paper-dust and ink-particle build-up as well as extended cleaning intervals. The controlled surface roughness provides for balanced half-tone and solid quality, optimum ink coverage on all substrates (coated, uncoated, LWC) and excellent web release. The construction with fabric between the printing surface and the compressible layer and the narrow compressibility window ensure the slightly positive web feed required by heatset presses as well as consistent feed characteristics from production batch to production batch. The highly compressible three-ply construction offers instant rebound, excellent resistance to excess pressure, low heat build-up and long service life. The carcass meets all requirements for modern heatset blankets in terms of dimensional and register stability and gauge loss. **Nominal gauge:** 1.71mm.

BöttcherTop 8600 Web



The 1.95mm blanket for high-speed web-heatset presses up to 48 pages. The hydrophilic surface compound offers low paper-dust and ink-particle build-up as well as extended cleaning intervals. The controlled surface roughness provides for balanced half-tone and solid quality, optimum ink coverage on all substrates (coated, uncoated, LWC) and excellent web release. The construction with fabric between the printing surface and the compressible layer and the narrow compressibility window ensure the slightly positive web feed required by heatset presses as well as consistent feed characteristics from production batch to production batch. The highly compressible three-ply construction offers instant rebound, excellent resistance to excess pressure and low heat build-up, while compensating for mechanical defects such as cylinder bounce, press specific vibrations and press wear. The carcass meets all requirements for modern heatset blankets in terms of dimensional and register stability and gauge loss. **Nominal gauge:** 1.96mm.

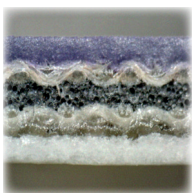
Self-adhesive blankets

Febotop Typ M



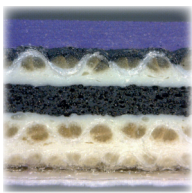
The self-adhesive blanket for continuous and forms printing as well as envelope and label printing. The surface compound is hybrid and can be used for conventional inks as well as for mixed-mode applications. The controlled surface roughness provides for balanced halftone and solid quality, optimum ink coverage on all substrates and excellent web release. The compressible layer offers instant rebound and resistance to excess pressure, while offsetting irregularities in substrate thickness. The construction with fabrics ensures that the blanket can be removed from the cylinder without tearing in pieces. The strong adhesive ensures an excellent bond to the cylinder and leaves no residues on the cylinder when removed. **Nominal gauges:** 0.95mm, 1.05mm and 1.07mm.

Febotop Typ J



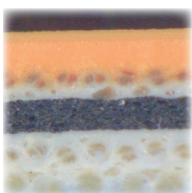
The self-adhesive blanket for continuous and forms printing as well as label printing with UV inks. The EPDM surface compound is swell-resistant to the polar components of UV inks and UV washes. The controlled surface roughness provides for balanced half-tone and solid quality, optimum ink coverage on all substrates and excellent web release. The compressible layer offers instant rebound and resistance to excess pressure, while offsetting irregularities in substrate thickness. The construction with fabrics ensures that the blanket can be removed from the cylinder without tearing in pieces. The strong adhesive ensures an excellent bond to the cylinder and leaves no residues on the cylinder when removed. **Nominal gauges:** 0.95mm and 1.05mm.

BöttcherTop 9195



The self-adhesive blanket for dry-offset printing of cylindrical hollow-body components (beverage cans, aerosols, aluminium tubes, etc.) with conventional inks. The adhesive is coated directly onto the fabric backing and is thus part of the blanket, as opposed to many blankets on which the adhesive is laminated in the form of double-sided 0.25mm adhesive tape to a standard blanket with a gauge of 1.70mm. The strong adhesive ensures an excellent bond to the cylinder and leaves no residues on the cylinder when removed. **Nominal gauge:** 1.95mm.

BöttcherTop 9195 UV



The self-adhesive blanket for mini-web presses and dry-offset printing of cylindrical hollow-body components with UV inks. The EPDM surface compound is swell-resistant to the polar components of UV inks and UV washes. The adhesive is coated directly onto the fabric backing and is thus part of the blanket, as opposed to many blankets on which the adhesive is laminated in the form of double-sided 0.25mm adhesive tape to a standard blanket with a gauge of 1.70mm. The strong adhesive ensures an excellent bond to the cylinder and leaves no residues on the cylinder when removed. **Nominal gauge:** 1.95mm.

All printing blankets at a glance

	Sheet-fed (conventional inks)								Sheet-fed (conventional inks & hybrid operations)						
	3201	3900	4500	5400	7200	7700	8000	8100	4400	6600	8200	8600	4K-Mix	Rainbow	
Application															
Printing presses	Sheet-fed														
Conventional inks	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Mixed-mode/hybrid inks									X	X	X	X	X	X	
UV-inks (traditional)															
UV-inks (low-energy)										X					
Paper	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Carton	X	X	X	X	X	X	X		X	X	X	X	X	X	
Micro-flute board															
Metal								X						X	
Plastics/Foil															
Cold Foil															
Alcohol >5%	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Alcohol <5%	X			X	X						X	X	X	X	
Construction															
Fabric plies	4	3	3	3	3	3	3	3	4	3	3	3	3	3	
Compressible layers	1	1	1	1	2	2	1	1	1	1	1	1	1	1	
Microspheres	X	X	X	X	X	X	X	X	X		X	X	X	X	
Blowing agents										X					
Surface															
Colour	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Green	Blue	Blue	Green	Blue	
Roughness (Ra/μm)	0.9-1.2	0.9-1.2	0.9-1.2	0.9-1.2	0.9-1.2	0.9-1.2	0.7-1.0	1.2-1.5	0.5-0.8	0.9-1.2	0.5-0.8	0.5-0.8	0.6-0.9	0.7-1.0	
Micro-hardness (°ShoreA)	53	65	65	53	53	63	70	70	63	63	70	68	65	60	
Physical properties															
Overall hardness (°ShoreA)	79	79	79	78	78	78	79	79	80	79	79	79	78	77	
Tensile strength (N/50mm)	>3550	>3500	>3500	>3550	>3550	>4000	>3500	>3500	>4500	>3750	>3500	>3500	>3500	>3500	
Elongation at 500N/50mm	<2%	<2%	<2%	<2%	<2%	<2%	<2%	<2%	<1.5%	<2%	<1.5%	<1.5%	<1.5%	<1.5%	
Indentation at 100N/cm ² (mm)	0.12	0.13	0.15	0.15	0.15	0.15	0.14	0.12	0.13	0.14	0.15	0.15	0.15	0.14	
Indentation at 200N/cm ² (mm)	0.18	0.21	0.23	0.25	0.25	0.25	0.24	0.18	0.21	0.23	0.25	0.25	0.25	0.23	
Gauge															
Nominal gauge (mm)	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	
Gauge tolerance (mm)	+/-0.02	+/-0.02	+/-0.02	+/-0.02	+/-0.02	+/-0.02	+/-0.02	+/-0.02	+/-0.02	+/-0.02	+/-0.02	+/-0.02	+/-0.02	+/-0.02	
Gauge uniformity (mm)	+/-0.015	+/-0.015	+/-0.015	+/-0.015	+/-0.015	+/-0.015	+/-0.015	+/-0.015	+/-0.015	+/-0.015	+/-0.015	+/-0.015	+/-0.015	+/-0.015	

All printing blankets at a glance

	Sheet-fed (UV inks)						Sheet-fed (specialty)			Web			Self-adhesive				
	4800	8800	4K-UV	Ghost-hunter	Strip&Print	New UV	4x4	ColdFoil	All-inclusive	7600	8300	8600 Web	Typ M	Typ J	9195	9195 UV	
Application																	
Presses	Sheet-fed									CS	HS/CS/MW	HS/CS	MW/Env.	MW	DO	MW/DO	
Conventional inks							X		X	X	X	X	X		X		
Mixed-mode/hybrid inks							X		X		X	X	X		X		
UV-inks (traditional)	X	X	X	X	X									X		X	
UV-inks (low-energy)						X											
Paper	X	X	X	X	X	X		X	X	X	X	X	X	X		X	
Carton	X	X	X	X	X	X		X	X								
Micro-flute board							X										
Metal	X	X	X	X		X									X	X	
Plastics/ Foil	X	X	X	X	X	X		X								X	
Cold foil								X									
Alcohol >5%	X	X	X	X	X	X	X		X		X	X	X	X		X	
Alcohol <5%	X	X	X	X	X	X	X		X		X	X	X	X		X	
Construction																	
Fabric plies	4	3	3	3	4	3	2	3	3	3	3	3	2	2	3	3	
Compressible layers	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Microspheres	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Blowing agents										X							
Surface																	
Colour	Purple	Purple	Purple	Black	Red	Purple	Black	Blue	Blue	Green	Blue	Blue	Blue	Purple	Blue	Orange	
Roughness (Ra/μm)	0.7-1.0	0.6-0.9	0.7-1.0	0.8-1.1	0.5-0.8	0.9-1.2	0.5-0.8	0.5-0.8	0.7-1.0	1.4-1.7	0.7-1.0	0.5-0.8	1.7-2.0	1.7-2.0	0.9-1.2	0.9-1.2	
Micro-hardness (°ShoreA)	58	68	60	70	58	52	60	68	68	62	63	68	67	64	53	65	
Physical properties																	
Overall hardness (°ShoreA)	78	79	77	79	78	78	65	79	79	79	79	79	88	87	79	79	
Tensile strength (N/50mm)	>4000	>3500	>3500	>3500	>4000	>4000	>3500	>3500	>3500	>3750	>4000	>3500	>2000	>2000	>3500	>3500	
Elongation at 500N/50mm	<1.5%	<1.5%	<1.5%	<1.5%	<1.5%	<1.5%	<1.5%	<1.5%	<1.5%	<1%	<1%	<1.5%	<4.5%	<4.5%	<2%	<2%	
Indentation at 100N/cm² (mm)	0.13	0.13	0.13	0.13	0.13	0.13	0.42	0.15	0.14	0.15	0.13	0.15			0.13	0.13	
Indentation at 200N/cm² (mm)	0.21	0.21	0.21	0.21	0.21	0.21	0.55	0.25	0.24	0.25	0.23	0.25	0.10	0.10	0.21	0.21	
Gauge																	
Nominal gauge (mm)	1.96	1.96	1.96	1.96	1.96	1.96	2.07	1.96	2.35, 2.55	1.96	1.71	1.96	0.95, 1.05, 1.07	0.95, 1.05	1.96	1.96	
Gauge tolerance (mm)	+/-0.02	+/-0.02	+/-0.02	+/-0.02	+/-0.02	+/-0.02	+/-0.02	+/-0.02	+/-0.02	+/-0.02	+/-0.02	+/-0.02	+/-0.02	+/-0.02	+/-0.02	+/-0.02	
Gauge uniformity (mm)	+/-0.015	+/-0.015	+/-0.015	+/-0.015	+/-0.015	+/-0.015	+/-0.015	+/-0.015	+/-0.015	+/-0.015	+/-0.015	+/-0.015	+/-0.015	+/-0.015	+/-0.015	+/-0.015	

