



## Rheinisch-Bergische Druckerei GmbH

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### Contact

#### Sales and customer services

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#### Job handling

phone 0211 505-2502  
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# Data requirement

<b>Data format/ delivery</b>	Full-page PDF (compatibility: Acrobat 6 / PDF-Standard 1.5 / PDF/X-3). Open data formats / generic files will not be accepted.
<b>ICC-Profile</b>	Please prepare your data and PDFs with the correct ICC-Profile to achieve the highest print quality. All required profiles can be found on our following website: <a href="http://www.rheinisch-bergische-druckerei.de/en/download/">http://www.rheinisch-bergische-druckerei.de/en/download/</a>
<b>Colour Density</b>	240 %
<b>Colours/colour separation</b>	Only in CMYK, no spot colours. We will send you the HKS transformation chart on request.
<b>Image resolution</b>	At least 240 dpi
<b>Line resolution</b>	At least 1200 dpi
<b>Fonts</b>	Please attach used fonts to your PDF-file.
<b>Lines (wide)</b>	Positive lines must be at least 0,1 mm; negative at least 0,15 mm

# Data transmission

<b>FTP</b>	We will be pleased to send you the access data of our FTP server to enable a data exchange. Just contact us!
<b>PDF file name</b>	Please select a clear name for your print files with - publication's name - issue number - date - page number (_pageXX,...) for example: 2017-03-20_newspaper_page 01.pdf
<b>Data upload</b>	Clients with regular orders can transfer their print files via upload (simple handling without password). This enables your files can be transferred and checked faster. Just contact us!

# Printing technology

<b>Printing process</b>	Offset rotary printing according to DIN ISO-Standard 12647-3 for news paper printing
<b>Type of printing plates</b>	Thermal plates
<b>Solid density</b>	Cyan, magenta and yellow: 0,90 Dv, black: 1,10 Dv
<b>Image composition</b>	Achromatic, GCR (Grey Component Replacement) with at least 180 % colour density
<b>Screen ruling / grid</b>	60 lpc screen and 70 lpc screen
<b>Screen angle</b>	0° yellow, 15° cyan, 75° magenta, 135° black
<b>Screen dot shape</b>	Elliptical dot screen
<b>Tonal value increase</b>	26 % of 40 % dot percentage for newsprint paper 19 % of 40 % dot percentage for light mat coated paper
<b>Printing inks</b>	All colours are printed according to the European Scale (CMYK), no spot colours.
<b>Paper</b>	Standard, improved newsprint paper and light mat coated paper
<b>Grammages</b>	45 - 80 g/m <sup>2</sup> and 120g/m <sup>2</sup> for covers
<b>Platesetter exposure resolution</b>	1270 dpi

# Paper

As we store a sufficient amount of paper we ensure a short-term reaction and realisation of your requests at a low price.

<b>Papers on store</b>	45 g/m <sup>2</sup> standard newsprint paper (ISO-whiteness 59C) 52 g/m <sup>2</sup> improved newsprint paper (ISO-whiteness 72C) 55 g/m <sup>2</sup> improved newsprint paper (ISO-whiteness 75C) 60 g/m <sup>2</sup> improved newsprint paper (ISO-whiteness 83C) 80 g/m <sup>2</sup> wood-free, brilliant white, uncoated paper (ISO-whiteness 103C)
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For covers with an order volume of 50.000 pieces:  
120 g/m<sup>2</sup> wood-free white paper (ISO-whiteness 103C)

<b>Papers for Cortina printing machine</b>	54 g/m <sup>2</sup> light mat coated recycled paper (ISO- whiteness 81C) 60 g/m <sup>2</sup> light mat coated recycled paper (ISO- whiteness 81C) 80 g/m <sup>2</sup> light mat coated recycled paper (ISO-whiteness 81C) 80 g/m <sup>2</sup> light mat coated paper (ISO-whiteness 91C)
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# Postpress

<b>Inserts</b>	Up to 12 inserts in newspapers printed in Rhenish format Up to 8 inserts in newspapers printed in Berlin format
<b>Attributes of inserts</b>	Inserts must be closed on the long side (portrait format)
<b>Insert sizes (portrait format)</b>	Inserts for the Rhenish format: 105 x 148 mm up to 250 x 350 mm Inserts for the Berlin format: 105 x 148 mm up to 230 x 315 mm
<b>Insert weights</b>	10 g up to 100 g
<b>Cards</b>	Cards are attached with hot glue
<b>Card sizes</b>	148 x 105 mm
<b>Card weight</b>	max. 2,64 g
<b>Card paper</b>	170 g/m <sup>2</sup>
<b>Paper quality for cards</b>	Mat coated on both sides or glossy papers