

Classification of feeding behavior (True Rolling) as measured on the dynamometric test rig.

#### PURE PRINTING

Printing blankets with the PURE PRINTING label improve the printing blanket's life cycle assessment: They protect the environment and make for sustainable efficiency. This is an advantage you do not have to pay extra for. It's simply part of the deal with every PURE PRINTING blanket. We employ a new calendaring process in manufacturing printing blankets in the CONTI-AIR® series: We dispense with the use of solvents and reduce energy consumption, and thus CO<sub>2</sub> emissions, as well. We neutralize the remaining emissions with climate certificates.



#### Certification

The development, manufacture and sale of our printing blankets are certified to DIN EN ISO 9001 and DIN EN ISO 14001.

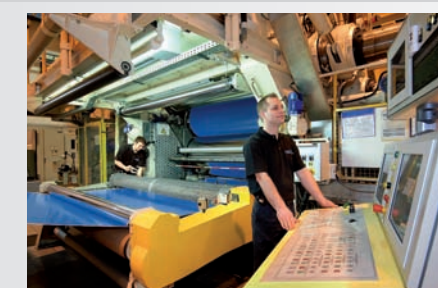
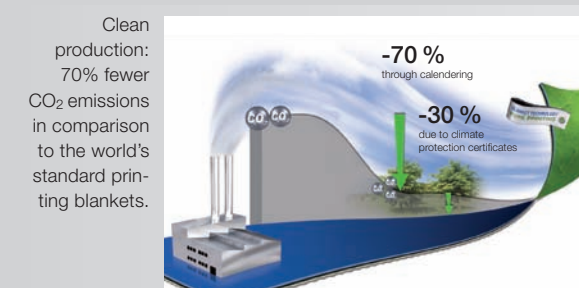
The ISEGA-Forschungs- und Untersuchungsgesellschaft, a research and testing institute, has inspected our printing blankets and certified that they were not found to release anything harmful to health. That means that you can not only rely on the fact that you are getting printing blankets of superior quality but also rest assured that we employ sound processes that guarantee sustainable production.



One of the most modern testing parks – here the web test rig – ensures reliable product quality.

#### True Rolling Concept

Various aspects have to be considered in selecting a printing blanket for a modern printing press. The most important of these is feeding behavior. Depending on type, our printing blankets have a neutral to slightly negative web-feed setting. At our printing competence center, we employ a unique web test rig specifically designed for the purpose of determining the right setting for our printing blankets.



Calendaring process: A look at the printing blanket production in Northeim.

www.contitech.de

#### Elastomer Coatings

Market segment  
Printing Blankets

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CONTI-AIR®  
BLANKET TECHNOLOGY

The ContiTech division of the Continental Corporation is a development partner and original equipment supplier to numerous industries for high-quality functional parts, components and systems. With its know-how in rubber and plastics technology, ContiTech contributes significantly to industrial progress and mobility that is safe, comfortable and eco-friendly.

The right solution  
for every job.

Product range  
CONTI-AIR® printing blankets



For every job  
the perfect solution.

Printing blankets bearing the CONTI-AIR® brand name solve practically every challenge the printing industry faces. This product overview makes it easier to find the right solution for you.

#### The perfect printing blanket for your applications.

CONTI-AIR® printing blankets are made with technology found nowhere else in the world. This gives them a layer of closed microcells inside. These cells are pressurized to give the printing blankets there exceptional resilience. What is more, all of our printing blankets are made with presealed and thickness-calibrated fabrics. This elaborate process minimizes sinking. It enables us to supply you quality that truly lives up to the attribute "Made in Germany".

#### Perfect printing quality and fast release, whether printing paper, packaging material, foil or metal.

CONTI-AIR® printing blankets stand for high printing quality. The printing blanket's specially ground surface, made of an application-optimized compound, allows for trouble-free release from the material being printed and sharp and precise dot reproduction. The CONTI-AIR® range offers the right printing blanket for the different applications and drying processes used in offset printing. Just the way you prefer to have it.

#### High Compressibility – HC

Unlike most printing blankets on the market, our HC range (for "high compressibility") exhibits an extremely strong compressible layer that further reinforces the already excellent properties that are a hallmark of the CONTI-AIR® principle. Higher smash resistance and flexibility are possible when switching to different substrates. Naturally, all of this contributes to maximum printing quality and long service life.

#### AIR<sub>2</sub> technology

Some of our specially designated printing blankets for web offset printing incorporate the innovative AIR<sub>2</sub> design. The unique feature of this design is an additional compressible layer under the actual printing surface. This layer has the job of controlling the printing blankets feeding properties and thus ensures optimum printout and long service life.



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Application																					
	CONTI-AIR® ENTROPIA TR 2	CONTI-AIR® EVOLUTION TR	CONTI-AIR® NEON blue TR	CONTI-AIR® NEON TR	CONTI-AIR® EBONY	CONTI-AIR® FSR	CONTI-AIR® ENTROPIA	CONTI-AIR® CRYSTAL	CONTI-AIR® LITHO HC	CONTI-AIR® ENTROPIA HC	CONTI-AIR® EBONY HC	CONTI-AIR® PRISMA HC	CONTI-AIR® 7PLUS	CONTI-AIR® UV PLUS	CONTI-AIR® UV BLACK	CONTI-AIR® UV BLUE	CONTI-AIR® UV BLACK HC	CONTI-AIR® NITROGEN	CONTI-AIR® SMART COAT	CONTI-AIR® PRESTIGE	
Sheet-fed			+	+		+	+	+	+	+	+	+	+	+	+	+	+			+	
Heatset			+	+	+	+	+														
Coldset	+	+																			
Metal Decoration					+						+	+	+	+	+	+	+				
Coating																		+	+	+	
Packaging					+	+	+				+	+	+	+	+					+	
Technical data																					
Color	green	green	blue	green	black	blue	green	blue	ocean blue	green	black	magenta	blue	blue	black	blue	black	grün	light green	black	
Surface	ground	ground	microground	microground	fineground	microground	microground	microground	microground	microground	fineground	microground	microground	microground	microground	microground	microground	microground	microground	fineground	
Roughness Rz (DIN 4768)	7 µm	10 µm	5.5 µm	5 µm	6 µm	4.5 µm	4.5 µm	4 µm	4 µm	4 µm	6 µm	5 µm	5.5 µm	4 µm	4 µm	4 µm	4 µm	4.5 µm	4 µm	6 µm	
Roughness Ra (DIN 4768)	1.6 µm	1.8 µm	0.9 µm	0.7 µm	0.9 µm	0.7 µm	0.7 µm	0.6 µm	0.6 µm	0.6 µm	0.9 µm	0.7 µm	0.9 µm	0.6 µm	0.6 µm	0.6 µm	0.6 µm	0.7 µm	0.5 µm	0.9 µm	
Surface hardness (DIN 53505)	63° Shore A	54° Shore A	59° Shore A	52° Shore A	55° Shore A	63° Shore A	63° Shore A	48° Shore A	63° Shore A	63° Shore A	55° Shore A	55° Shore A	59° Shore A	55° Shore A	60° Shore A	55° Shore A	60° Shore A	52° Shore A	59° Shore A	55° Shore A	
Compressibility at 1,350 kPa	0.215 mm	0.210 mm	0.210 mm	0.210 mm	0.195 mm	0.190 mm	0.190 mm	0.195 mm	0.220 mm	0.220 mm	0.220 mm	0.220 mm	0.185 mm	0.185 mm	0.190 mm	0.190 mm	0.220 mm	0.195 mm	0.130 mm	0.550 mm	
Quantity of fabric layers	3 plies	3 plies	3 plies	3 plies	3 plies	3 plies	3 plies	3 plies	2 plies	2 plies	2 plies	2 plies	4 plies	4 plies	3 plies	3 plies	2 plies	4 plies	1 ply *	2 plies	
Elongation (DIN 16621, DIN 53354) at 500 N/5 cm	0.75 %	0.75 %	0.75 %	0.75 %	0.75 %	0.75 %	0.75 %	0.75 %	0.9 %	0.9 %	0.9 %	0.9 %	0.85 %	0.85 %	0.75 %	0.75 %	0.9 %	0.9 %		0.75 %	
Nominal thickness (ISO 12636)	1.95 mm – 2.18 mm	1.69 mm 1.95 mm – 2.18 mm	1.69 mm / 1.91 mm / 1.95 mm	1.69 mm / 1.91 mm / 1.95 mm	1.69 mm 1.95 mm	1.69 mm 1.95 mm	1.95 mm	1.95 mm	1.95 mm	1.95 mm	1.95 mm	1.95 mm	1.95 mm	1.95 mm	1.95 mm	1.95 mm	1.69 mm 1.95 mm	1.95 mm	1.95 mm	1.15 mm / 1.35 mm / 1.95 mm	2.30 mm
True Rolling	➡ slightly negative	➡ neutral	➡ neutral	➡ neutral	➡ slightly positive	➡ slightly positive	➡ slightly positive	➡ slightly positive	➡ positive	➡ positive	➡ positive	➡ positive	➡ neutral	➡ neutral	➡ slightly positive	➡ slightly positive	➡ positive	➡ slightly positive	➡ slightly positive	➡ positive	

For our printing blankets, we do not indicate any values for overall hardness as these do not correspond to the ISO standard.

\* and 1 mylar

As of: 05/2012

Print to perfection.

For more information on our printing blankets go to [www.contiair.com](http://www.contiair.com)

