

PHOENIX

**Xtra
PRINT**

Precious Printing Blankets

CARAT® SERIES



THE ALL-ROUNDER FOR OFFSET PRINTING



**Topaz
CARAT**

- ▶ Ideal for highly pigmented inks
- ▶ For alternating UV and conventional inks
- ▶ Designed specially for frequent paper format switches

The all-rounder for offset printing

CARAT SERIES – THE MARK OF CONSISTENTLY HIGH QUALITY



The PHOENIX CARAT Series is the logical continuation of the already successful Gem Stone Series. Distinguished awards for outstanding printed products have been won all over the world with these printing blankets.

In addition to its exceptional printing properties, the CARAT Series is also distinguished by the following features:

Feature +

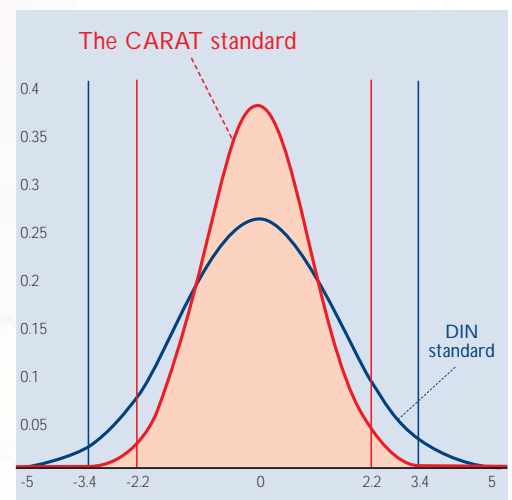
The use of new chemicals in the compressible layer. Compressibility is adjusted according to the application in question, variation is negligible.

Feature ++

The printing blankets undergo additional heat treatment. This facilitates even tighter thickness tolerances and minimises setting behaviour.

Feature +++

A new chemical additive in the surface layer improves ink transfer and keeps the dot gain within the narrowest tolerances. This is why the PHOENIX CARAT Series is also recommended for CtP applications and FM screen printing.



Feature ++++

Thanks to a specially developed fabric pre-treatment process, consistently low elongation values are achieved without the fabric being damaged.



Certified acc. to
DIN EN ISO 9001:2000

New! Specially developed highly compressible pore system!

Extremely swell-resistant surface layer

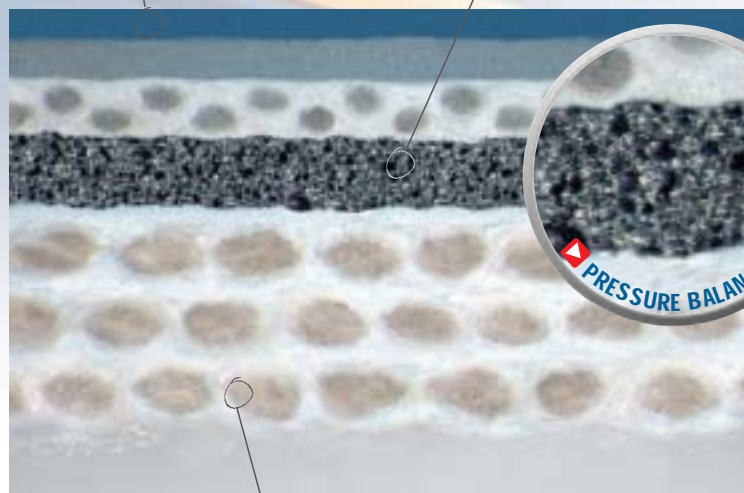
Application and description

TOPAZ is a universal 4-ply printing blanket of exceptional durability.

TOPAZ®CARAT is distinguished by a new compressible intermediate layer that, together with the highly resistant surface layer, guarantees a long service life and outstanding printing results.

Given the tight tolerances of the **CARAT Series** printers can always be sure of producing printed matter of consistently high quality.

With these characteristics, **TOPAZ®CARAT** can be used in high-speed sheet-fed offset as well as packing and metal printing. The new surface can even stand up to switching between UV and conventional inks.



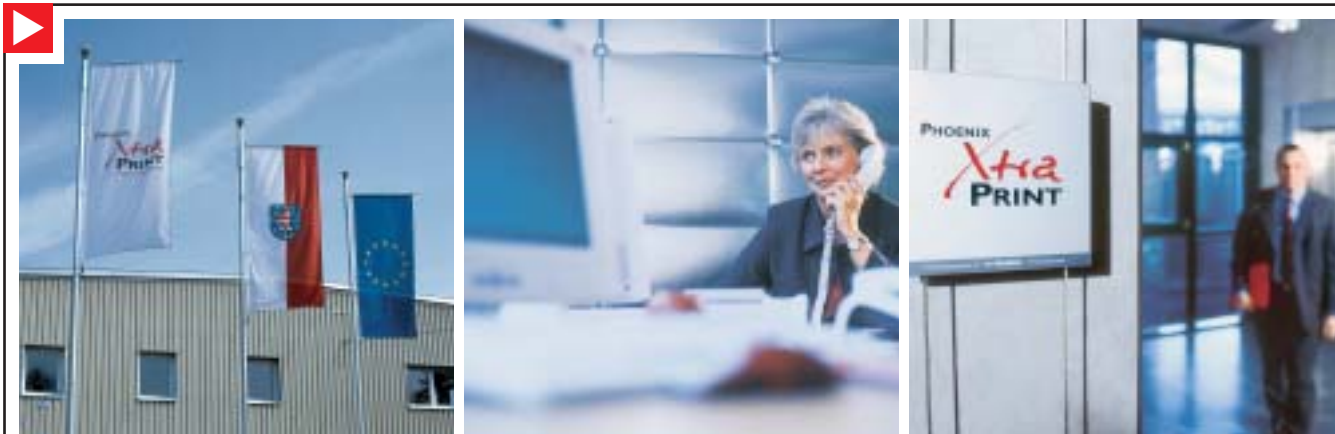
Special fabric treatment ensures consistently low elongation!

Technical data

Colour	TOPAZ blue
Identification	Brown thread woven in travel direction PHOENIX stamp with article and serial number
Thickness	Art. 396: 1.96 mm (4ply)
Elongation 1000 N / 50 mm	< 1.3 % ▶ CARAT VALUE
Compressibility 135 N / cm²	approx. 9 %
Tensile strength	> 4,500 N / 50 mm ▶ CARAT VALUE
Reduction in thickness due to tensioning and setting	< 1.3 % ▶ CARAT VALUE
Hardness	approx. 80 Shore A
Roughness (RZ)	4 µm

Areas of application

	Highly recommended	recommended	Not recommended
Sheet-fed offset			
Carton	✗		
Frequent switching of paper types	✗		
Waterless printing	✗		
Switching between UV and conventional inks		✗	
Hybrid inks	✗		
UV inks			✗
Metal printing	✗		
Web offset			
Cold set		✗	
Heat set			✗



PHOENIX Xtra PRINT GmbH

Gothaer Strasse 4-6
99880 Waltershausen
Germany
Phone: +49 (0)3622/20 93-0
Fax: +49 (0)3622/20 93-11
E-Mail: info@pxp.de
Internet: www.pxp.de



PHOENIX NORTH AMERICA, INC

720 King Georges Post Road
Suite 3J
Fords, New Jersey 08863/USA
Phone: +1 732/346 53-53
Fax: +1 732/346 53-55
E-Mail: north-america@pxp.de
Internet: www.pxp.de

PHOENIX XTRA PRINT INDIA

305, Mahavir Industrial Estate
Off Mahakali Caves Road
Paper Box Lane
Andheri (E), Mumbai – 400 093
India
Phone: +91 (22) 268 754 55
Fax: +91 (22) 569 230 70
E-Mail: [jyoturja@jui-india.com](mailto: jyoturja@jui-india.com)

PHOENIX Xtra PRINT GmbH

Harburger Schloßstrasse 24
Channel 2
21079 Hamburg
Germany
Phone: +49 (0)40/30 386-0
Fax: +49 (0)40/30 386-111
E-Mail: info@pxp.de
Internet: www.pxp.de

PHOENIX Xtra PRINT GmbH

Singapore Representative Office
39A Jalan Pemimpin #05-00
TAL Building
Singapore 577 183
Phone: +65 63 559-283
Fax: +65 63 559-304
E-Mail: asia@pxp.de
Internet: www.pxp.de

**PHOENIX ELASTOMERPRODUKTE
VERTRIEBSGESELLSCHAFT MBH**

Rieglgasse 75
1217 Wien, Austria
Phone: +43 (1) 259 562 417
Fax: +43 (1) 259 562 415
E-Mail: Karl.Cihal@phoenix-elast.at
Internet: www.pxp.de

PHOENIX XTRA PRINT

POLSKA SP. Z O.O.
UL Mostowa 14
PL-80-778 Gdańsk, Poland
Phone: +48 58 301 93 92
Fax: +48 58 301 91 41
E-Mail: xtraprint@phoenix.com.pl
Internet: www.pxp.de