



**SERVICOM**  
PACIFIC  
Specialists in printing technology

# TOPAZ - SP041

Manufactured by **PHOENIX** and converted by Servicom Pacific

**CLIMATE Xtra BLANKETS.**  
Cut emissions. Boost efficiency.

## Application

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 tolerance of the Carat Series printers can always be sure of producing printed matter of consistently high quality.

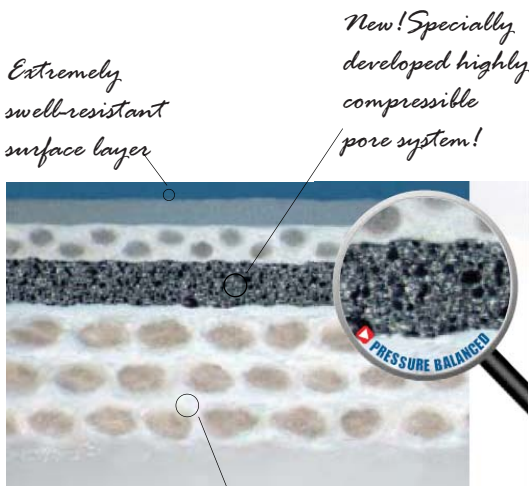
With these characteristics Topaz Carat can be used in high-speed sheet-fed offset as well as packaging and metal printing. The new surface can even stand up to switching between UV and conventional inks.



**October 2008:**  
Certified by **manroland, KBA**  
and **HEIDELBERG** for the alternating  
use with UV and conventional inks

## Benefits

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



*Extremely  
well-resistant  
surface layer*

*New! Specially  
developed highly  
compressible  
pore system!*

*Special fabric treatment ensures  
consistently low elongation!*



Carbon Neutral Fogra Certified



## Features

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

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



Simply rely on a printing blanket that's 100% climate neutral. Our new calendaring technology cuts the energy needed to produce CLIMATE Xtra BLANKETS. And CO<sub>2</sub> emissions are reduced as well by 35%.

We neutralize the remaining 65% of the CO<sub>2</sub> emissions by acquiring reduction certificates from natureOffice, a climate protection agency. In this way we support a reforestation project in Panama. This benefits not only the environment but also the local population in a structurally weak region.

## Food Grade Accreditation for Packaging

Topaz Carat has recently received certification from ISEGA confirming it is safe to use in the printing process of food packaging

ISEGA Certificate available upon request

## Technical Data

Colour	Topaz Blue
Identification	Brown thread woven in travel direction
Thickness	Art. 396: 1.96 mm (4ply)
Elongation (1000N / 50mm)	<1.3%
Compressibility	Approx. 9%
Tensile Strength	>4,500 N / 50mm
Reduction in thickness (due to tensioning & setting)	<1.3%
Hardness	Approx. 80 Shore A
Roughness (RZ)	4 µm

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