

Saphira Blanket Pro 100

HEIDELBERG

For excellent printing results. Printing blankets play a critical role in the quality of a printed job: their ability to transfer data from printing plates to print substrates, combined with their interaction with inks, fountain solutions, etc., has a direct impact on the printed result. To ensure the highest quality of the finished product, we now offer a premium quality all-purpose blanket called Saphira® Blanket Pro 100.

Reliable and robust. The first-class surface texture of Saphira Blanket Pro 100 ensures a precise pressure transmission and trouble-free ink transfer with both mineral and vegetable oil-based printing inks. It also enables excellent release behavior. Furthermore, the blanket's compressible layers and design enable it to quickly recover from paper smashes and ensure a prolonged life on the press.

The best fit for your Heidelberg press. The Saphira Blanket Pro 100 has been carefully selected for use on Heidelberg® presses and constitutes the perfect choice for high quality conventional sheetfed offset printing.

Benefits:

- Tested and selected by Heidelberg
- Very robust for longer life span
- Trouble-free print and ink transfer
- Precise pressure transmission
- Excellent release behavior
- Compressible layers ensure fast recovery and reduce smashes



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Subject to technical and other changes.

The New Peace of Mind. The combination of Saphira consumables, Heidelberg know-how, and your own expertise brings stability to production. This means you can relax.

Proven quality. Saphira consumables are thoroughly tested by our experts to make sure they are perfectly attuned to each other and to your production systems.

Expert advice. Our experts will help you select your consumables and answer any technical queries you may have.

Everything from a single source. We are your one-stop shop for consumables, machines, software, and services. This makes life easier and simplifies administration.

Saphira consumables from Heidelberg are available for the pressroom, prepress, and postpress – at reasonable prices.

Whatever your location, Saphira consumables from Heidelberg are delivered quickly and reliably. They are easy to order from our 250 sales offices around the globe. In many countries, you can even place orders 24/7 through our Online Shop at www.heidelberg.com/shop.

Saphira Blanket Pro 100

Technical specifications

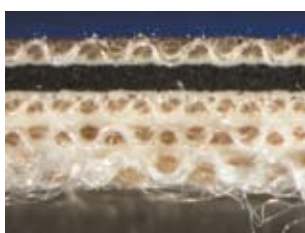
Color of surface	Blue
Nominal thickness (ISO 12636)	1.95 mm
Fabric layers	4 plies
Surface material	Solvent resistant NBR rubber composite
Surface	Grounded
Compressibility (ISO 12636)	6.2 % at 1060 kPa
Tensile strength (ISO 12636)	> 60 N/mm
Elongation (ISO 12636)	< 0.70 % at 500 N/50 mm
Overall hardness (ISO 12636)	78° Shore A
Roughness Rz (ISO 12636)	3.4 µm
Swelling protection	Edge sealing
Applications	Particularly suited for high quality conventional sheetfed offset printing (commercial and packaging printing)

Product characteristics

Tonal value reproduction (Dot gain ISO/spread ISO 12647/2)	+++
Printout of solid area	+++
Smooth screen print	+++
Impact of frequent substrate and format changes	++
Ink transfer	++
Sheet release (quick release)	++
Wrinkling characteristics	++
Compressibility	++
Settling characteristics	+++
Washing characteristics on presses with washup cloth devices	+++
Suitability as a coating blanket	---
Suitability as a UV-blanket	---

The valuation of the blankets was made based on Heidelberg standards.

+++ excellent
+++
++
++
+
--- unsuitable



Cross section



Optimum surface properties



Fine detail reproduction