



INNOVATIVE ROLLER TECHNOLOGY



# PERLA DAMP





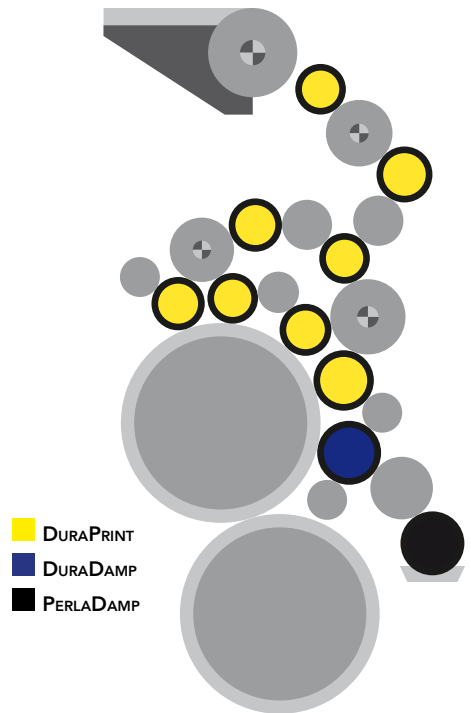
# PERLADAMP

## Premium pan and metering roller coating for highest requirements

The demand for a pan and metering roller with a microfine surface, which does not only create a uniform film of moisture, but also offers quick and easy cleaning, has been a long-standing wish in printing circles. With the introduction of IPA-free / IPA-reduced offset printing, such a special dampening roller became increasingly important. In addition, mineral oil-free, low migration ink systems are used in packaging printing, which require a stable emulsion in order to achieve optimum printing results.

The PERLADAMP technology provides a dampening roller engineered to meet these high demands, and is also highly resistant to chemical influences. This pan and metering roller, enhanced with a very special surface coating, provides the highest level of process stability in the dampening unit. The surface coating is a unique and specially developed elastomer lacquer system which is „burned“ onto the rubber carrier surface. This results in an extremely stable functional surface, which ensures an optimal surface quality and perfect fountain solution transfer.

PERLADAMP is not only excellently suited for conventional offset printing, but also fits perfectly in high-quality packaging printing for hybrid and UV operations (also



**Premium printing unit with ink and dampening rollers from Sauer**

LE-UV, LED-UV, H-UV, HR-UV). PERLADAMP thus differs positively from traditional rubber rollers in terms of economics, printing technology and quality.

»» *By using DURAPRINT in combination with the premium dampening system DURADAMP and PERLADAMP the amount of start-up waste was reduced by 20 percent.* ««

Michael Spiegel, managing director  
Martin Spiegel Kartonagenfabrik GmbH & Co. KG

**The new PERLADAMP functional coating offers the operator significant advantages:**

- high dimensional stability, no radial swelling
- uniform and thin water film
- low or no ink build-up, therefore minimal cleaning effort
- hydrophobic, cross-linked, smooth surface
- best suited for IPA-reduced or IPA-free offset printing
- saving of solvents and cleaning agents

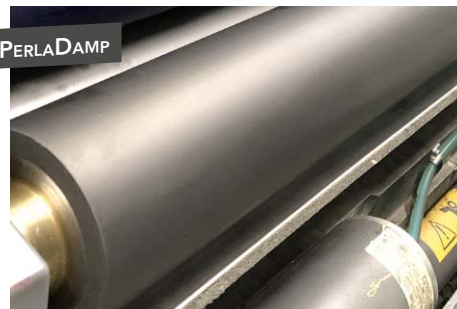
Thus, in addition to the established high-tech product DURAPRINT, Sauer Walzen-

fabriken was able to present DURADAMP and PERLADAMP, a premium dampening system for offset printing. With this unique, unprecedented roller system in inking and dampening units, Sauer offers printers further advantages for a sustainable increase in quality, process reliability and machine availability.

Would you like to optimize your printing press and produce almost maintenance-free for a much longer period than usual? Then use the DURADAMP dampening roller in addition to the DURAPRINT inking roller and supplement the combination with the PERLADAMP pan or metering roller. By doing that, the unique premium printing unit would be perfect!



Standard



PERLADAMP

Soiling degree of a standard metering roller in comparison to the PERLADAMP after a complete daily production.

## CUSTOMER-ORIENTED READY-TO-WORK SOLUTIONS

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