



SAUER DRUPA NEWS

No. 365 May 2004



Hall 16 - Stand D78

Success for New Concept ink roller coverings confirmed

SAUER group presents test results for ink rollers

SAUER Roller Plants which have been successfully running production facilities in five European countries and in the United States for more than 100 years are one of the worldwide market leaders for qualitatively excellent and innovative roller coverings for the graphic industry.

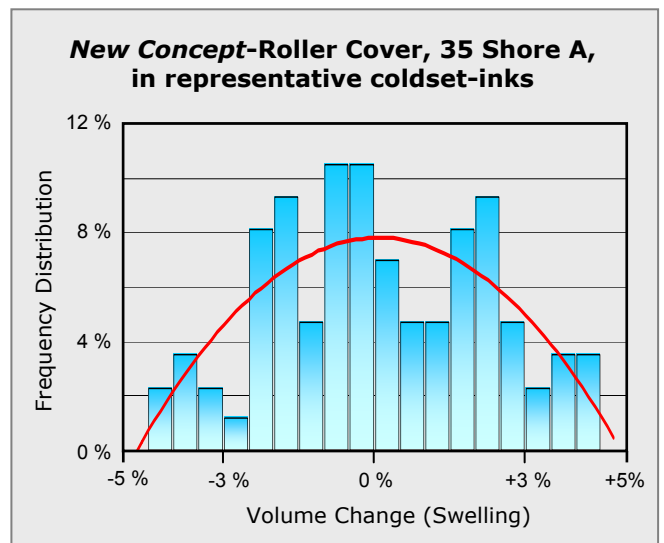
Developing the product ranges EUROSET-NC for the sheet-fed printing ink rollers, EUROWEB-NC for ink rollers in web offset printing and EURODAMP-NC for dampening rollers, SAUER Roller Plants formed the basis for ink und dampening roller coverings which have been showing an unequalled dimensional stability until today. This development had become necessary as printing inks being based on vegetable oils were increasingly used in the sheet-fed and newspaper offset printing. Vegetable oils extract from the ink roller covering the plasticizer a lot stronger than mineral oil which is predominantly contained in printing inks. In the course of time this leads to a considerable decrease of the size and diameter of the roller covering, commonly known as shrinking. Consequently the rollers have to be continuously re-adjusted in the printing machine in order to maintain constantly good print results.

The NC-roller coverings are based on a "New Concept" compound formula which differs substantially from the usual rubber compounds for the production of offset rollers. A special characteristic is the continuously brilliant stability against printing inks which extract plasticizer from the rubber and against printing inks which contain oils that penetrate into the rubber and lead to the swelling of the rollers coverings.



In close co-operation with important European manufacturers of printing inks for the sheet-fed and newspaper offset printing, the ink and dampening roller coverings of the NC-product line were subject to extensive stability examinations in the company-owned research and development department EUROLAB. For this purpose, standardized samples were examined on defined conditions in printing inks which ink manufacturers considered representative of their composition. The modification of the sample observed after a determined period of time allows to draw conclusions on the long-term interaction between the rubber compound and printing ink.

The results of this representative stability examination confirm impressively the knowledge obtained before in practice. All swelling results were in the uncritical range of tolerance of +/- 5 % by volume, and 85 % of the examined ink set were even in the close range of tolerance of +/- 3 % of volume. This result gives the user a safe feeling and guarantees long durability of the roller coverings while the user is flexible at the same time regarding the selection of printing inks.



Documents and graphics also available in digital form!

Further information about the SAUER group and the products are also available at our exhibition booth, Hall 16, Stand D78, as well as at www.sauer-roller.com.

SAUER WALZENFABRIKEN
Public Relation Division

Telephone: (+49) 030 - 2 78 96 72-0 e-Mail: pr@sauer-roller.com

Company information:

As a supplier of proprietary products, the SAUER group successfully combines the demand for technology and quality with a consistent customer and service oriented business approach. Since inception in 1900 in Berlin, SAUER Roller Plants have grown to be one of the world-wide market leaders for innovative roller technologies.

A global network of ten full-scale manufacturing facilities guarantees proximity to all customers. Over 400 employees worldwide on roughly 30,000 square meters of production space throughout the various divisions of the SAUER Roller Plants in Europe and the United States are dedicated to manufacturing a premium class of products.