

Two outstanding whites for sleeves

Process: UV flexoprint

White for LM applications: White F RAD LM Sleeve 0001

Product number: 81-010206-1

White for standard applications: White F RAD Sleeve 1170

Product number: 81-011000-7



Both Siegwerk sleeve whites are characterised by perfect processing properties, very good covering power, outstanding slip properties and high scratch resistance.

They are capable of being shrunk by up to 70%. Sleeves for food containers must comply with the legal requirements on migration limits, that is to say they must be printed with **Low Migration ink systems**, unless the container is made of glass, which acts as a safe barrier. White F RAD LM Sleeve 0001 in combination with Sicura FLEX 39-9PSF achieves excellent results in the food-stuffs area.

For standard applications, White F RAD Sleeve 1170 may be combined with inks from the Sicura FLEX 39-3 or Sicura FLEX 39-8 series.

Low Migration ink systems:

Download the product safety guide «**Printing Inks for Food Packaging**» from www.siegwerk.com/productsafety (3.8 MB). The brochure deals with the mechanism of migration, the permissible limits, the safe use of Low Migration inks and the best test methods.

Well Worth Knowing

Do you print sleeves?

Under optimum conditions and provided the ink coverage is not excessive, shrinkage of up to 70% can be achieved with radical-based UV flexo ink systems.

Shrinkage rates of up to 60% are the norm. Suitable Siegwerk ink series are Sicura FLEX 39-3 and Sicura FLEX 39-8 if a reliable barrier (glass) between sleeve and foodstuff is present. In addition, the Sicura FLEX 39-9PSF series can be used for food applications without a barrier. For UV offset print, Siegwerk offers the Sicura PLAST SP series for standard applications and the Sicura PLAST LM series when low migration is an essential requirement. If the shrinking is to be carried out in a steam tunnel, process magenta and yellow as well as the red and orange shades must contain fast pigments. Siegwerk is able to supply these on request.

An important role is played by the all-over white coating, applied to the inner side of the sleeve as the final ink during the reverse-side printing. **The white must demonstrate good slip properties and high scratch resistance** to prevent damage when sheathing the sleeves.

Shrinkage: Shrink films are designed in such a way as to shrink largely in one direction only. Calculating the shrinkage is based on the circumference of the not yet shrunk sleeve. If the circumference is reduced from 100 to 60, this corresponds to a shrinkage of 40%. If the sleeve around the container is reduced to 30% of the starting circumference, this is equivalent to a shrinkage of 70%.

New: «LM» water-based flexo inks

Process: flexoprint | Application: labels for foodstuffs
Series: LWB LM



For trouble-free applications in the foodstuffs sector.

This Siegwark series has been developed to meet the wishes of major producers in the foodstuffs sector and is being successfully used for cardboard drink pack-

aging. It has intense colour strength and can be printed on **paper and plastics** at high machine speeds. In contrast to conventional water-based inks, the components of the new inks exhibit an extremely low susceptibility to migration. The LWB LM series (= Label Water-Based Low Migration) is used not only for labels but also for soup packets, teabag tags and various other migration-sensitive packaging. Other benefits include **outstanding runnability, good drying, water and hot sealing resistance**. Printers can obtain the series for their own mixing systems or as special colours.

Field Report

Quality and reliability with Siegwark inks

For more than 100 years, Baumgarten Gráfica Ltda. has had its home in Blumenau, a town of 300,000 inhabitants in the south of Brazil, some 500 km south of São Paulo. Baumgarten is one of the largest and most modern printing plants in Latin America. Company president Ronaldo Baumgarten Jr. explains why he prefers to work with Siegwark.

«Blumenau, like other cities in the Brazilian federal state of Santa Catarina, was founded by German settlers in the 19th century, as was the Baumgarten company. Today, Santa Catarina ranks among the economically most developed regions of South America. We employ a workforce of 300 at our printing plant, which is equipped with high-tech machines for all print processes. We concentrate on the production of labels, sleeves and in-mould labels for the entire South American continent.



Ronaldo Baumgarten Jr.

It is a privilege for us to have Siegwark as a partner. This is because, like our company, Siegwark focuses on innovative technology and development. We also attach great importance to top quality in all our products. We are therefore delighted to be able to work with Siegwark as a dependable main supplier for our printing inks and varnishes. We also greatly value Siegwark's after-sales service and expert advice.»


Ronaldo Baumgarten Jr.

(www.baumgarten.com.br)

Information

Raw material cost increases

Massive price rises are affecting not only pigments and solvents, but also the raw materials for the production of binders. These price rises are primarily due to the growing scarcity of products in the wake of the economic crisis. Many chemical manufacturers have greatly reduced their production capacities.



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An ideal overprint varnish

Process: UV flexoprint
Application: labels
Product number: 85-600444-5

This new UV overprint varnish for paper labels provides gloss and protection and is easy to use.

The new high-gloss overprint varnish has a **low viscosity** and is therefore well suited for use on flexographic printing machines or coating units. Moreover it exhibits a number of outstanding advantages: **excellent gradient, non-foaming, non-yellowing, rapid curing, benzophenone-free** – all of this at tremendous cost effectiveness.

Please give us your opinion

– Do you find this newsletter interesting and useful?

– What could we improve? What topic would be of particular interest to you?

Send your reply to

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