Your finishing experts

WEILBURGER Graphics GmbH

+++ Product classes varnishes, inks and adhesives +++
In our manual you can find an explanation of the icons that appear on the labels and in the technical information of our products.

Moreover, we explain our identification number system that is intended to make the use of our products in the area of food packaging even safer.

A general overview of our identification number system, further information on our dyed varnishes for the food industry as well as explanations of various terms can be found at the end of this manual.

Yours WEILBURGER Graphics GmbH
Matt through to high gloss water-based dispersion coatings

Ident numbers 07-xxxx

The product class SENOLITH® WB with the identification numbers 07-xxxx encompasses dispersion coating systems that are suitable for all standard dispersion coating applications, but not for food packaging.
Application processes

Digital printing
Damping unit
Inline - Offline
Web offset
Inking unit
Flexo printing
Coating unit
Gravure

Products

Anti-slip coatings
Bronzing coatings
Effect primers
Film coatings
Heat-resistant coatings
Barrier coatings
Calender coatings
Primers
Protective coatings
Playing card coatings
Blister coatings
Effect coatings
Label coatings
Gloss coatings
High gloss coatings
Inline primers
Matt coatings
Release coatings
Satin matt coatings
Twin coatings
Ident numbers 07-xxxx

The product class SENOLITH® UV with the identification numbers 07-xxxx encompasses UV lacquer systems that are suitable for all standard UV lacquer applications, but not for food packaging.
Application processes

- Digital printing
- Damping unit
- Inline - Offline
- Web offset
- Inking unit
- Flexo printing
- Coating unit
- Gravure

Products

- Anti-slip lacquers
- Film lacquers
- Hybrid lacquers
- Matt lacquers
- Satin matt lacquers
- Effect lacquers
- High gloss lacquers
- Inline lacquers
- Release lacquers
- Textured lacquers
SENOLITH® FP NDC

Ident numbers 17-xxxx

The product class SENOLITH® WB FP NDC with the identification numbers 17-xxxx encompasses dispersion coatings that are suitable for indirect food contact (dry) (ISEGA/FABES). The coatings are of a low-migration and low-odour type.

Ident numbers 17-xxxx

The product class SENOLITH® UV FP NDC with the identification numbers 17-xxxx encompasses UV lacquer systems that are suitable for indirect food contact (dry, fatty, moist) (ISEGA/FABES). The lacquers are of a low-migration and low-odour type.

Water-based coatings and UV lacquers for the packaging of food and odour-sensitive goods

- Low-migration
- Low-odour
## Application processes

<table>
<thead>
<tr>
<th>Flexo printing</th>
<th>Inline - Offline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coating unit</td>
<td>Gravure</td>
</tr>
</tbody>
</table>

## Products

<table>
<thead>
<tr>
<th>Anti-slip varnishes</th>
<th>Blister varnishes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label varnishes</td>
<td>Film varnishes</td>
</tr>
<tr>
<td>Gloss varnishes</td>
<td>Heat-resistant varnishes</td>
</tr>
<tr>
<td>High gloss varnishes</td>
<td>Inline primers</td>
</tr>
<tr>
<td>Barrier varnishes</td>
<td>Calender varnishes</td>
</tr>
<tr>
<td>Matt varnishes</td>
<td>Primers</td>
</tr>
<tr>
<td>Release varnishes</td>
<td>Satin matt varnishes</td>
</tr>
</tbody>
</table>
SENOLITH® FP DC

Water-based coatings for the packaging of food and odour-sensitive goods

• Low-migration
• Low-odour

Ident numbers 27-xxxx

The product class SENOLITH® WB FP DC with the identification numbers 27-xxxx encompasses all coating systems that are licensed for direct food contact (dry, fatty, moist) (ISEGA), comply with the requirements set out in the Swiss Commodities Directive and the raw materials they comprise are themselves approved for use with food packaging.
Application processes

Flexo printing
Coating unit

Inline - Offline
Gravure

Products

Blister coatings
Film coatings
Heat-resistant coatings
Barrier coatings
Matt coatings
Satin matt coatings

Label coatings
Gloss coatings
High gloss coatings
Inline primers
Primers
Cigarette coatings
UV lacquers for screen printing; wide variety of special effects

Ident numbers 07-xxxx
Ident numbers 12-xxxx

The product class SENOSCREEN® UV with the identification numbers 07-xxxx and 12-xxxx encompasses UV-based lacquer systems for screen printing. The products are not suitable for use in conjunction with food packaging.
Application processes

Offline
Rotary screen printing

Screen printing

Products

Braille lacquers
High gloss lacquers
Relief lacquers
Textured lacquers

Effect lacquers
Matt lacquers
Special lacquers
Dispersion coatings and UV lacquers offering a haptic experience

**Ident numbers 07-xxxx**
The product class **SENOSOFT® WB** with the identification numbers 07-xxxx encompasses water-based coating systems offering a haptic experience. The products are not suitable for use in conjunction with food packaging.

**Ident numbers 17-xxxx**
The product class **SENOSOFT® WB FP NDC** with the identification numbers 17-xxxx encompasses water-based coating systems with a haptic experience that are suitable for indirect food contact (dry) (ISEGA). The coatings are of a low-migration and low-odour type.

**Ident numbers 07-xxxx**
The product class **SENOSOFT® UV** with the identification numbers 07-xxxx encompasses UV-based lacquer systems offering a haptic experience. The products are not suitable for use in conjunction with food packaging.
Application processes

Flexo printing  Inline - Offline
Coating unit  Screen printing
Gravure

Products

Matt varnishes  Satin matt varnishes
Ident numbers 07-xxxx
Ident numbers 12-xxxx

The product class SENOSAFE® BP with the identification numbers 07-xxxx and 12-xxxx encompasses water-based coating and UV lacquer systems. The products are not suitable for use in conjunction with food packaging.

Recommendation for food packaging on request.
**Application processes**

Flexo printing  Inline - Offline
Coating unit  Screen printing

**Products**

Special varnishes

Details of any possible safety features on request.
Ident numbers 05-xxxx
Ident numbers 07-xxxx
The product class SENOFLEX® WB with the identification numbers 05-xxxx for inks and 07-xxxx for coatings encompasses water-based ink and coating systems for flexo printing. The products are not suitable for use in conjunction with food packaging.

Ident numbers 15-xxxx
Ident numbers 17-xxxx
The product class SENOFLEX® WB FP NDC with the identification numbers 15-xxxx for inks and 17-xxxx for coatings encompasses water-based ink and coating systems for flexo printing. The products are suitable for indirect food contact (dry) (ISEGA) and are of a low-migration and low-odour type.

Ident numbers 27-xxxx
The product class SENOFLEX® WB FP DC with the identification numbers 27-xxxx encompasses water-based coating systems for flexo printing. The products are suitable for direct food contact (dry, fatty, moist) and are of a low-migration and low-odour type (ISEGA/Swiss Commodities Directive).
Application processes

Post/Preprint
Flexo inking unit
Inking Unit (crushing roller)
Flexo coating unit

Products

WB Printing inks
WB Metallic inks

WB Coating systems:
Anti-slip coatings
Gloss coatings
Barrier coatings
Primers
Film coatings
Heat-resistant coatings
Matt coatings
Ident numbers 29-xxxx
The product class SENOBOND® WB with the identification numbers 29-xxxx encompasses water-based film laminating and folding box adhesives. The products are not suitable for use in conjunction with food packaging.

Ident numbers 29-3536
Ident numbers 29-3566
The product class SENOBOND® WB FP NDC with the identification numbers 29-3536 and 29-3566 encompasses water-based film laminating and folding box adhesives. The products are suitable for indirect food contact (dry, fatty) (ISEGA). The adhesives are low-migration and low-odour products.

Water-based film laminating and folding box adhesives
Application processes

Laminating machines
Gluing machines

Products

Film laminating adhesives
Folding box adhesives for lower glue unit
Folding box adhesives for upper glue unit
Folding box adhesives for nozzle application
Adhesives for special applications
SENOBOND® UV

UV-based laminating adhesives

Ident numbers 29-xxxx

The product class SENOBOND® UV with the identification numbers 29-xxxx encompasses UV adhesives for gluing film to absorbent substrates. The products are not suitable for use in conjunction with food packaging.
Application processes

Laminating machines
Flexo printing

Products

UV-based laminating adhesives
Green varnishes for food packaging

In order to make the use of water-based coatings and UV-curing lacquers even safer for food industry production purposes, they are coloured by us with dyes developed specially for food packaging.

In this way, the coatings of the water-based SENOLITH® WB FP DC class and the lacquers of the UV-curing SENOLITH® UV FP NDC class can be easily distinguished from other coatings and lacquers even by the production staff in the print room.

As such, any risk of confusion with varnishes that are not suitable for food use is ruled out. The print image is not modified due to the minimal amount of dye used.
Our identification number system

Explanation of identification numbers:
The identification number in combination with the article number can be found on the delivery containers and in the technical information of the varnish systems. They contribute to the identification of the products in respect of their suitability for food packaging use.

Varnishes:
07-xxxx = varnishes that are not suitable for use in conjunction with food packaging.

17-xxxx = varnishes that are suitable for indirect food contact (non-direct contact = NDC).

27-xxxx = varnishes that are suitable for direct food contact (direct contact = DC).

Inks:
05-xxxx = inks that are not suitable for use in conjunction with food packaging.

15-xxxx = inks that are suitable for indirect food contact (non-direct contact = NDC).

Adhesives:
29-xxxx = adhesives that are not suitable for food packaging with the exception of film laminating adhesive 29-3536 and folding box adhesive 29-3566, both of which are suitable for indirect food contact (non-direct contact = NDC).

Others:
12-xxxx = special class for products from the SENOSAFE® BP range for brand protection and other special effect varnishes. Recommendation for food packaging on request.
Glossary

**Direct food contact/DC:**
The dry coating layer is in direct contact with the foodstuff.

**Indirect food contact/NDC:**
The coating layer is on the side facing away from the foodstuff.

**Migration:**
Migration in connection with food packaging is understood to be the movement of chemical substances/molecules through a matrix into a foodstuff.

Such a matrix can for example be a box or a film, i.e. the packaging material.

The moving substances can come from the varnish, the ink or the matrix itself, migrate to the foodstuff and can accumulate there.

**Isega certificate:**
Conformity declaration of the accredited inspectorate ISEGA, Aschaffenburg.

**Fabes certificate:**
Conformity declaration of the accredited inspectorate FABES Forschungsgesellschaft, Munich.

**Swiss Commodities Directive SR 817.023.21:**
Since April 2010, new regulations governing the use of printing inks and overprint varnishes for coating food packaging have been in force in Switzerland.

The Swiss Commodities Directive lays down in Appendix 6 which substances may be used for printing food packaging. It is significantly stricter than it was and limits the permitted substances to defined positive lists (I – V) for evaluated and non-evaluated substances.

As both food packaging produced in Switzerland and imported from abroad is affected, this directive has international implications for the printing ink industry.
Reduction factor:
The reduction factor is a correction factor by which the migration value determined may be divided if olive oil or 95% ethanol is used to simulate substances containing fat.

As these simulations have a significantly higher extraction effect than the foodstuff itself, a factor of 2 to max. 5 can therefore be used.

The migration value arising from the use of the reduction factor may not exceed the SML (specific migration limit).

If therefore a varnish system for foodstuffs containing fat is tested and approved with a reduction factor of for example 3, only such foodstuffs may then actually be in contact with the coating layer as are themselves allocated a factor of 3 or more (max. 5); those with a lower factor such as 2 may not be in contact with the coating layer.

Which foodstuff is allocated to which reduction factor depends on the fat content. The higher the fat content, the lower the reduction factor.

The various reduction factors for the various foodstuff types are regulated by law and are set out in the appendix to EC Directive No. 10/2011.