PRODUCT CLASSES VARNISHES, INKS AND ADHESIVES

Stahl
Packaging Coatings

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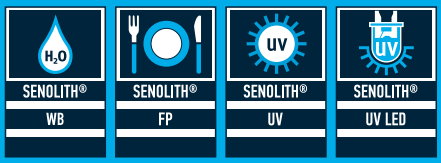
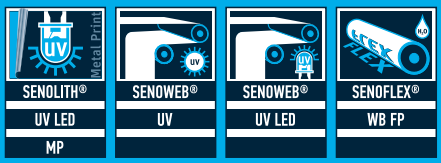
In our manual you will find the explanation of our icons, which are shown on the labels and in the Technical Data Sheets of our products.

We also go into detail about our identification number system, which is intended to help make the use of our products in the food packaging sector even safer.

Further information on our tinted varnishes for the food industry as well as a glossary can be found at the end of this manual.

Weilburger Graphics GmbH





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SENOLITH® WB

Matt to high gloss water-based coatings

Ident numbers 07-xxxx

The **SENOLITH® WB** product class with the identification numbers 07-xxxx includes water-based coatings that are recommended for all common dispersion coating applications, but not for food packaging.

Application Methods
Flexo printing
Coating unit
Gravure printing
Web offset

Products
Anti-slip coatings
Effect coatings
Label coatings
Gloss coatings
High gloss coatings
Inline primers
Matt coatings
Release coatings
Playing card coatings
Blister coatings
Film coatings
Heat-resistant coatings
Barrier coatings
Calander coatings
Primers
Silk matt coatings
Twin coatings

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SENOLITH® WB FP

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

- Low migration
- Low odour

Ident numbers 17-xxxx

The **SENOLITH® WB FP** product class with identification numbers 17-xxxx includes water-based coatings suitable for direct food contact (dry), i.e. on the side of a primary packaging facing the food.

These systems are also suit- able for indirect contact with moist and fatty foods as secondary packaging. Conformity with the Swiss Regulation on Consumer Goods (SR 817.023.21) must be checked individually. The coatings are low-migration and low-odour.

Application Methods
Flexo printing
Coating unit
Gravure printing

Products
Anti-slip coatings
Label coatings
Gloss coatings
High gloss coatings
Inline primers
Matt coatings
Release coatings
Blister coatings
Film coatings
Heat-resistant coatings
Barrier coatings
Scuff resistant coatings
Primers
Silk matt coatings
Twin coatings
In-mould labeling coatings

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SENOLITH® WB FP PLUS

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

- Low migration **PLUS**
- Low odour

Ident numbers 27-xxxx

The product class **SENOLITH® WB FP PLUS** with the identification numbers 27-xxxx includes water-based coatings that are approved for direct food contact (dry, greasy, moist), i.e. the side of the primary packaging facing the food. These coatings comply with the Swiss Regulation on Consumer Goods (SR 817.023.21).

The coatings are low-migration and low-odour. For reliable identification of the coating systems during application, they are marked with a green dye.

Application Methods
Flexo printing
Coating unit
Gravure printing

Products
Label coatings
Gloss coatings
Matt coatings
Film coatings
Barrier coatings
Scuff resistant coatings
Primers
Cigarette coatings
Silk matt coatings
Textured varnishes

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SENOLITH® UV

Matt to high gloss UV lacquers

Application Methods
Flexo printing
Inking unit
Coating unit
Gravure printing
Web offset

Products
Anti-slip lacquers
Film lacquers
Hybrid lacquers
Matt lacquers
Silk matt lacquers
Effect lacquers
High gloss lacquers
Inline lacquers
Release lacquers
Textured lacquers

Ident numbers 07-xxxx

The **SENOLITH® UV** product class with identification numbers 07-xxxx includes UV lacquers that are recommended for all common UV lacquer applications, but not for food packaging.

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Packaging Coatings

SENOLITH® UV FP

Matt to high gloss UV lacquers

- Low migration
- Low odour

Ident numbers 17-xxxx

The **SENOLITH® UV FP** product class with the identification numbers 17-xxxx includes UV lacquers suitable for indirect contact with dry foodstuffs in primary packaging and for indirect contact with moist and fatty foodstuffs in secondary packaging. These lacquers comply with the Swiss Regulation on Consumer Goods. (SR 817.023.21)

Application Methods
Inking unit
Flexo printing
Coating unit
Gravure printing
Web offset

Products
Anti-slip lacquers
Film lacquers
Hybrid lacquers
Matt lacquers
Silk matt lacquers
Effect lacquers
High gloss lacquers
Inline lacquers
Release lacquers
Textured lacquers

SENOLITH® DIGITAL

Water-based coatings and UV lacquers for digital printing

Ident numbers 07-xxxx

The **SENOLITH® WB DIGITAL** product class with identification numbers 07-xxxx includes water-based coatings for digital printing applications. The products are not suitable for food packaging.

Ident numbers 17-xxxx

The **SENOLITH® WB FP DIGITAL** product class with identification numbers 17-xxxx includes water-based coatings for digital printing applications that are suitable for indirect food contact (dry, moist), i.e. on the side of a primary packaging facing away from the food. Conformity with the Swiss Regulation on Consumer Goods (SR 817.023.21) must be checked individually. The coatings are low-migration and low-odour.

Ident numbers 07-xxxx

The **SENOLITH® UV DIGITAL** product class with identification numbers 07-xxxx includes UV lacquers for digital printing applications. The products are not suitable for food packaging.

Application Methods
Coating unit
Inkjet

Products
Label varnishes
Gloss varnishes
Inline primer
Primer
Film varnishes
High gloss varnishes
Matt varnishes
Silk matt varnishes

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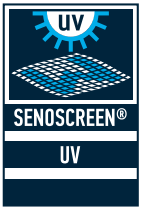
SENOSCREEN® UV

UV lacquers for screen printing;
wide range of effects

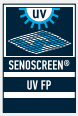


Application Methods
Rotary Screen Printing
Inline - Offline Screen Printing

Products
Braille lacquers
High gloss lacquers
Relief lacquers
Textured lacquers
Effect lacquers
Matt lacquers
Specialty lacquers

Ident numbers 07-xxxx
Ident numbers 12-xxxx

The **SENOSCREEN® UV** product class with identification numbers 07-xxxx or 12-xxxx includes UV lacquers for screen printing that are recommended for all common UV lacquer applications, but not for food packaging.



Ident numbers 17-xxxx

The **SENOSCREEN® UV FP** product class with identification numbers 17-xxxx includes UV lacquers for screen printing. These lacquers are suitable for indirect contact with dry foodstuffs as primary packaging and for indirect contact with moist and fatty foodstuffs as secondary packaging. The lacquers comply with the Swiss Regulation on Consumer Goods. (SR 817.023.21)

SENOSOFT®

Water-based coatings and UV lacquers with a tactile experience

Application Methods
Flexo printing
Coating unit
Gravure printing
Screen printing

Products
Matt varnishes

Ident numbers 07-xxxx

The **SENOSOFT® WB** product class with identification numbers 07-xxxx includes water-based coatings with a tactile experience. The products are not suitable for food packaging.

Ident numbers 17-xxxx

The **SENOSOFT® WB FP** product class with identification numbers 17-xxxx includes water-based coatings with tactile experience. These coatings are suitable for indirect contact with dry foods as primary packaging and partly also for indirect contact with moist and fatty foods as secondary packaging. Conformity with the the Swiss Regulation on Consumer Goods (SR 817.023.21) must be checked individually.

Ident numbers 07-xxxx

The **SENOSOFT® UV** product class with identification numbers 07-xxxx includes UV lacquers with a tactile experience. The products are not suitable for food packaging.

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SENOSAFE®

Water-based coatings and UV lacquers for brand protection

Application Methods
Flexo printing
Coating unit
Screen printing

Products
Special varnishes
Details of the possible safety features on request.

Ident numbers 07-xxxx
Ident numbers 12-xxxx

The **SENOSAFE® BP** product class with identification numbers 07-xxxx and 12-xxxx includes water-based coatings and UV lacquers for brand protection. The products are not suitable for food packaging.

Recommendation for food packaging on request.

SENOFLEX® WB INKS

Water-based ink series for flexo printing

Application Methods
Inking unit (nip roller)
Flexo coating unit
Flexo inking unit

Products
WB printing inks
WB metallic inks

Ident numbers 05-xxxx

The **SENOFLEX® WB** product class with identification numbers 05-xxxx includes water-based flexo inks. The products are not suitable for food packaging.

Ident numbers 15-xxxx

The **SENOFLEX® WB FP** product class with identification numbers 15-xxxx includes water-based flexo inks for indirect contact with dry food as primary or secondary packaging.

Ident numbers 25-xxxx

The **SENOFLEX® WB FP PLUS** product class with the identification numbers 25-xxxx includes water-based flexo inks that are approved for direct food contact (dry, fatty, moist), i.e. the side of the primary packaging facing the food. These inks comply with the Swiss Regulation on Consumer Goods (SR 817.023.21).
The inks are low-migration and low-odour.

SENOFLEX® WB COATINGS

Water-based coating series for flexo printing

Application Methods
Inking unit (nip roller)
Flexo coating unit
Flexo inking unit

Products
Anti-slip coatings
Matt coatings
Extenders
Gloss coatings
Primers

Ident numbers 07-xxxx

The **SENOFLEX® WB** product class with identification numbers 07-xxxx includes water-based coatings for flexo printing. The products are not suitable for food packaging.

Ident numbers 17-xxxx

The **SENOFLEX® WB FP** product class with identification numbers 17-xxxx includes water-based coatings for flexo printing. These coatings are suitable for indirect contact with dry foods as primary packaging and for indirect contact with moist and fatty foods as secondary packaging. Conformity with the Swiss Regulation on Consumer Goods (SR 817.023.21) must be checked individually. The coatings are low-migration and low-odour.

Ident numbers 27-xxxx

The **SENOFLEX® WB FP PLUS** product class with identification numbers 27-xxxx includes water-based coatings for flexo printing. The products are suitable for direct food contact (dry, fatty, moist) and are low in migration and odour. They comply with the Swiss Regulation on Consumer Goods (SR 817.023.21). For reliable identification of the coating systems, they are marked with a green dye.

SENOBOND® WB

Water-based film laminting glues and folding carton adhesives

Ident numbers 29-xxxx

The **SENOBOND® WB** product class with Ident Numbers 29-xxxx includes water-based film laminating glues and folding carton adhesives. The products are not suitable for food packaging.

Ident numbers 29-3536
Ident numbers 29-3566

The product class **SENOBOND® WB FP** with identification numbers 29-3536 and 29-3566 includes water-based film laminating glues and folding box adhesives.

The film laminating adhesives with Ident Number 29-3536 may be in indirect contact with dry and fatty foods, with the food in direct contact with the plastic side. The folding carton adhesives with Ident Number 29-3566 may be used for bonding primary packaging that is in direct contact with dry foods. The adhesives are low migration and low odour.

Application Methods
Laminating Machine
Coating Unit
Gluing Machine

Products
Film laminating adhesive
Cold foil adhesive
Folding box glue for bottom gluing unit
Folding box glue for top gluing unit
Folding box glue for nozzle application
Adhesives for special applications

SENOBOND® OB

Cold foil adhesives

Ident numbers 29-8810

The **SENOBOND® OB** product class with Ident Number 29- 8810 includes oil-based cold foil adhesives. These products are not suitable for food packaging.

Application Methods
Offset printing

Products
Oil-based cold foil adhesives for gold, silver and effect foils

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SENOWEB® UV

Matt to high gloss UV lacquers for
Narrow web flexo printing

Application Methods
Flexo printing
Coating unit
Narrow-Web

Products
Anti-slip lacquers
Film lacquers
Matt lacquers
Silk matt lacquers
Effect lacquers
High gloss lacquers
Release lacquers
Textured lacquers

Ident numbers 07-xxxx

The **SENOWEB® UV** product class with identification numbers 07-xxxx includes UV lacquers for narrow-web flexo printing that are recommended for all common UV lacquer applications, but not for food packaging.

Ident numbers 17-xxxx

The **SENOWEB® UV FP** product class with identification numbers 17-xxxx includes UV lacquers suitable for indirect contact with dry foods in primary packaging and for indirect contact with moist and fatty foods in secondary packaging. These lacquers comply with the Swiss Regulation on Consumer Goods. (SR 817.023.21)

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SENOWEB® UV LED

Matt to high-gloss flexographic UV lacquers for energy-efficient LED technology

Application Methods
Flexo printing
Coating unit

Products
Film lacquers
Matt lacquers
Silk matt lacquers
High gloss lacquers
Release lacquers
Textured lacquers

Ident numbers 07-xxxx

The **SENOWEB® UV** product class with identification numbers 07-xxxx includes UV lacquers for narrow-web flexo printing that are recommended for all common UV lacquer applications, but not for food packaging.

Ident numbers 17-xxxx

The **SENOWEB® UV FP** product class with identification numbers 17-xxxx includes UV lacquers suitable for indirect contact with dry foods in primary packaging and for indirect contact with moist and fatty foods in secondary packaging. These lacquers comply with the Swiss Regulation on Consumer Goods. (SR 817.023.21)

FURTHER CLASSES

SENOLITH® UV LED

Highly reactive UV lacquers for energy-efficient LED technology

Ident numbers 07-xxxx

The **SENOLITH® UV LED** product class includes UV lacquers that cure through the 385 nm or 395 nm spectrum emitted by LED lamps.

SENOPRINT® WB

Water-based metallic inks

Ident numbers 07-xxxx

The **SENOPRINT® WB** product class includes water-based inks for flexo printing. The products are not suitable for food packaging.

SENOLITH® OB

Conventional oil-based print varnishes

Ident numbers 07-xxxx

The **SENOLITH® OB** product class includes TWIN and hybrid varnishes which achieve matt-gloss or matt-texture effects when printed together with WB coatings or UV lacquers.

Ident numbers 17-xxxx

The **SENOLITH® OB FP** product class includes TWIN and hybrid varnishes which, when printed together with WB coatings or UV lacquers, achieve matt-gloss or matt-texture effects. The products are suitable for indirect food contact (dry) and are low-migration and low-odour.

SENOLITH® UV LED Application Methods
Screen printing
Coating unit
Offset printing unit

SENOLITH® UV LED Products
High gloss lacquers
Hybrid lacquers
Matt lacquers

SENOPRINT® WB Application Methods
Coating unit

SENOPRINT® WB Products
Metallic inks

SENOLITH® OB Application Methods
Offset printing unit

SENOLITH® OB Products
Hybrid matt varnishes

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CERFITICATION OF CONFORMITY

Regulation (EC) No. 1935/2004 lays down the principle that consumer goods intended to come into direct or indirect contact with food must be sufficiently inert to exclude the possibility of constituents passing into the food in quantities sufficient to endanger human health or to cause an unacceptable change in the composition offoodstuffs or an impairment of their organoleptic properties.

This means that the packaging manufacturer of the consumer product and the packer are responsible for the intended use and legal conformity of the food packaging.

Weilburger Graphics GmbH, as the manufacturer of SENOLITH®, SENOFLEX®, SENOBOND® and SENOSOFT® products suitable for use in the food packaging sector, can only refer to the composition of the products of the Weilburger Graphics GmbH, but not on the structure of the packaging and the processing of the printing systems.

Cooperation with external testing laboratories (e.g. ISEGA, SQTS) regarding migration testing of our FP products as well as our own declaration of conformity.

TINTED VARNISHES FOR INCREASED SAFETY IN THE PRESS ROOM

To make the use of water-based coatings for the food industry even safer in production, we tint them with dyes that are also specially suitable for food packaging.

This means that the coatings of the water-based product class **SENOLITH® WB FP PLUS** can be easily distinguished from other varnishes, even by production staff in the pressroom.

Any confusion with varnishes that are not suitable for food packaging can thus be ruled out. The concentration of the dyes used has been adjusted by us in such a way that the apparent greenish hue in the container, which serves to visually distinguish the coatings, does not affect the print result in any way or even lead to colour distortions here.

The slight coloration does not alter the print image.
In general, the raw material components used meet the requirements of the European Inventory of Existing Commercial Chemical Substances (EINECS), the EuPIA raw material exclusion policy for printing inks and related products, and REACH Regulation 1907/2006.

INFORMATION ON RECYCLING AND COMPOSTING

Weilburger Graphics GmbH is increasingly being asked about the compostability of our products. The inquiries have prompted us to provide comprehensive information on this subject.

What does compostable mean?

Compostable means that microorganisms can largely degrade a product to water, carbon dioxide and biomass in a human-controlled process with a defined time frame. It is irrelevant whether a substance originates from renewable or fossil raw materials. Composted materials are no longer available for recycling.

For the INDUSTRIAL compostability of printed products, the criteria are described in DIN EN 13432.

Here, varnish is referred to as an additive of a printed product. Other additives are, for example, the printing stock and the ink. If the compostability of a printed product is to be determined, the entire product must be considered.

Consideration of an individual additive is possible, but says nothing about the compostability of the overall product.

Is composting preferable to recycling?

As already mentioned, composted products fall out of the recyclable material cycle and are discharged into the environment. This is a loss of material through biodegradation and one of the worst ways of dealing with packaging materials and thus also the coatings used.

In addition to the loss of material in the recyclable material cycle, there is also the loss of stored energy. The high calorific value of printed products even makes thermal recycling seem more sensible.

According to the waste hierarchy, recycling of printed products is definitely preferable. In this process, the used materials are shredded and, in the deinking process, the fibrous materials are separated from the additives from the paper, the printing ink and, last but not least, the coatings, and washed out using the flotation process.

With a certificate of compostability for printed products, there is a risk that the inhibition threshold among end consumers to dispose of a product more simply in nature will be lowered.

Or the assumption arises that the product can be disposed of with organic waste, which must never happen. Even if printed products are considered compostable, organic waste is taboo.

Even disposing of compostable items in the recycling garbage can is not recommended without restrictions, as biodegradable materials can contaminate the recyclable mix.

What is Weilburger Graphics‘ position on compostable coatings?

Weilburger Graphics GmbH takes its responsibility towards people and na- ture very seriously. Examples of this include promoting the health of its em- ployees and designing ergonomic workplaces, and much more.

In addition to our in-house photovoltaic system, our energy policy includes the supply of electricity from two combined heat and power plants that can be operated with biomass from renewable raw materials.

Waste management at Weilburger Graphics GmbH includes the return of plastic drums and IBCs as well as their cleaning and reuse. Likewise, washing water returned by our customers is treated and reused via the wa- ter filtration plant.

Recycling and reuse are of great importance in the company. Avoiding waste pays off twice, saving resources and avoiding the high costs of disposal.

Weilburger Graphics GmbH believes that the same should apply to the pro- cessed print products. Although the low layer thicknesses of 2-3 µm for water-based coatings and approx. 4-6 µm for UV lacquers do not impair composting, the fragmented particles, some of which take longer to decompose than is intended for industrial composting, end up as compost in our fields.

According to compost management, with no benefit to the compost product, but at a high loss to the circular economy.

Printed products, whether commercial or packaging, do not belong on the compost, but should be sent for reuse through recycling. Labeling that certifies print products as suitable for composting appears to be green washing and may encourage increased littering, which should be avoided at all costs for the sake of our nature.

OUR STATEMENT ON THE CRADLE TO CRADLE™ IDEA

For some time now, we have been receiving more and more inquiries about the Cradle to Cradle™ certification of our products. With this statement, we would therefore like to present our status on this topic and provide background information on the subject.

What does Cradle to CradleTM mean?

The Cradle to Cradle™ idea was developed back in the late 1990's primarily by the German chemist Michael Braungart and the US architect William Mc-Donough and literally means „from the cradle to the cradle". The idea behind Cradle to Cradle™ or C2C for short is to be understood as another approach to a continuous and consistent circular economy.

According to this idea, products that are certified according to Cradle to CradleTM should either be able to be returned to biological cycles as biological nutrients (composted) or kept continuously in technical cycles as so-called„technical nutrients" (recycled). There is no waste in the Cradle to Cradle™ idea.

Our point of view on Cradle to Cradle™

The idea of a full circular economy is not new and there are quite different approaches here to put an end to the global linear economy (or „cradle to grave"; „throwaway economy").
The idea itself is a good one and we, Weilburger Graphics GmbH, wholeheartedly support this basic idea. After all, it is not without reason that we have been working and producing exactly according to the principles of the Cradle to Cradle™ idea for many decades.

We already apply the highest quality criteria when purchasing our raw materials and only buy from proven suppliers who we know, like ourselves, produce under the highest ecological and social responsibility.

For years, we have been producing a large part of the energy we use ourselves by means of our own photovoltaic systems and combined heat and power plants, we have been offering washing water treatment for decades, and we exclusively use reusable containers for the transport of our products.

Our facilities have been kept technically up-to-date for years, and the construction of our new production facility for water-based coatings in 2019 and the production facility for UV lacquers in 2021 have positioned us at the top of the world in our market segment in terms of technology, economy, and also ecology.

Employee protection and ergonomic aspects played a major role in the plant planning and were integrated into the plant concepts.

In all our corporate activities, we thus demonstrate that we are aware of our role as a high-quality and responsible producer and supplier to the graphic arts industry and want to fulfill this role as optimally as possible.

For our part, the Cradle to Cradle™ concept, which is now becoming more popular, has been examined for its advantages and disadvantages with the aim of providing as neutral an assessment as possible.

Within the scope of these analyses, however, we are currently still faced with many questions that have not yet been answered satisfactorily either by the initiators and certifiers or by ourselves after extensive study of all process components.

A main focus of these analyses for us is the feasibility of such concepts across all stages of the value chain up to the end consumer as well as the implementability in existing, to be adapted or newly created ecological and economic systems.

Furthermore, we are pursuing the question of whether the introduction of the Cradle to Cradle™ certificate can actually enable resource conservation or whether this approach might not rather be misused as greenwashing for marketing reasons.

Other publicly expressed concerns about the concept from well-known institutions also flow into our considerations.

Thus, we have currently decided to refrain from obtaining Cradle to Cradle™ certification for our products and instead continue to implement our own directives for the environmentally and socially responsible production of our products.

However, we believe that a later approval after clarification of our open questions regarding this system is within the realm of possibility.

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INFORMATION ON MICROPLASTICS

In general, no plastic is used in the production of the varnish systems of Weilburger Graphics GmbH.

However, the presence of microplastics in the liquid varnish systems cannot be excluded.

The binders and other polymer-based additives used (e.g. waxes) contain polymer particles that formally fall under the definition of microplastics.

However, these microplastics lose their particle property with curing through film formation.

They are firmly bound in a polymer structure (binder matrix) in the form of a layer that adheres to the substrate and is mechanically resistant. This means that the dry varnish layer no longer contains any microplastics.

As a result, our varnish systems fall under exemption 5.c., Table 3, mentioned in the ECHA restriction proposal for microplastics.
This means that products finished with our varnishes are no longer subject to labeling requirements as a result of using our varnish systems.

Further information can be found in our "REACH-Statement, Annex XVII Synthetic polymer microparticles", which we are happy to provide on request.

Glossary

Direct food contact:
The dry varnish layer is in direct contact with the food.

Indirect food contact:
The varnish layer is on the side away from the food.

Primary packaging:
Primary packaging is the packaging with which the product (food) comes into direct contact. Example: Pasta in a printed folding box or plastic bag.

Secondary packaging:
Secondary packaging is packaging that is in direct contact with the primary packaging, also referred to as outer packaging. Example: Cornflakes (in a plastic bag as primary packaging) in a printed folding box.

Tertiary packaging:
This is the third „packaging layer". Example: transport packaging or product trays.

Migration:
Migration in the context of food packaging is the migration of chemical substances/molecules through a matrix into a food product.

Such a matrix can be, for example, a cardboard or a film, i.e. the packaging material. The migrating substances can come from the varnish, the ink or from the matrix itself, migrate into the food and accumulate there.

Absolute barrier materials:
These are materials that cannot be penetrated by chemical substances and therefore make it impossible for substances to migrate into the food packaged in them. These are packaging made of glass, thin sheet/ tinplate or aluminum foils (at least 10 µm thick).

However, attention must be paid to the so-called „smear migration" that can occur if, for ex- ample, the individual printed sheets lie on top of each other in the stack in the sheet metal duck.

Here, stock migration can occur from the printed to the unprinted side. Plastic films do not represent an absolute barrier!

Statemant of Composition (SoC):
The SoC is issued on a product-specific basis and contains information about potentially migrating SML substances. This enables the converter to make a risk assessment with regard to the marketability of his produced food packaging.

EU General Regulation (EC) No. 1935/2004:
This regulation lays down general requirements, e.g. that under normal or foreseeable conditions of use, no constituents are released onto food in quantities likely to endanger human health. In contrast to plastic articles, there is no individual guideline for printed carton packaging.

GMP Regulation (EC) No. 2023/2006:
This regulation specifies which principles of so-called good manufacturing practice must be observed in the production of food packaging. It applies to all areas and to all stages of production, processing and distribution of food contact materials.

Traceability:
Our ERP system is set up in such a way that we are able to retrieve batch-related information at any time. Starting with the raw material procurement order, through incoming goods inspection, to the quantitative use of each raw material.

Statement of no objection:
We provide a declaration of safety for coating systems suitable for food contact.

Details on suitability for direct or indirect contact with dry, fatty and moist foods can be found in these product-specific declarations of safety.

Swiss Regulation on Consumer Goods SR 817.023.21:
Since April 2010, special regulations

have been in force in Switzerland re- garding the use of printing inks and overprint varnishes for coating food packaging.
The Swiss Regulation on Consumer Goods regulates in Annex 10 which substances may be used for the printing of food packaging. It provides for a significant tightening and restricts the permissible substances to defined positive lists (I - V) for evaluated and non-evaluated sub- stances. Since both food packaging produced in Switzerland and imported from abroad is affected, this regulation also has an international impact on the printing ink industry.

FDA regulations (USA):
The FDA regulations state that, according to the current state of technical knowledge, the raw materials used conform to the requirements of FDA regulations CFR Title 21 (Food and Drugs).

It should be noted that the US Food and Drug Administration (FDA) only regulates food additives, but not food contact, which means that there are no „FDA-approved" printing inks or varnishes. Conformances to FDA regulations (Title 21) are requested for raw materials with FP applications. Confirmations based on supplier declarations can then also be issued for our products. This will be checked individually. Again, the conformity of the food packaging for respective ap- plication conditions must ultimately be ensured by the distributor.

Vegan:
Vegan means that, according to the current state of technical knowledge, the products must not contain any components of animal origin.

REACH
In accordance with the REACH Regulation (EC) No. 1907/2006, Weilburger Graphics GmbH is a downstream user and has no obligation to register. Our raw material suppliers provide us exclusively with REACH-compliant raw materials.

European toy norm.
EN 71-3:2021-06 limits the content of certain elements such as aluminum, antimony, arsenic, barium, lead, boron, cadmium, chromium, cobalt, copper, manganese, nickel, organotin, mercury, selenium, strontium, zinc and tin in toys.

In general, we can state that the limits of the above elements are not exceeded in our varnish and adhesive systems.

RoHS Directive:
The RoHS Directive restricts the con- tent of four named heavy metals and certain types of brominated flame retardants in electrical and electronic equipment.
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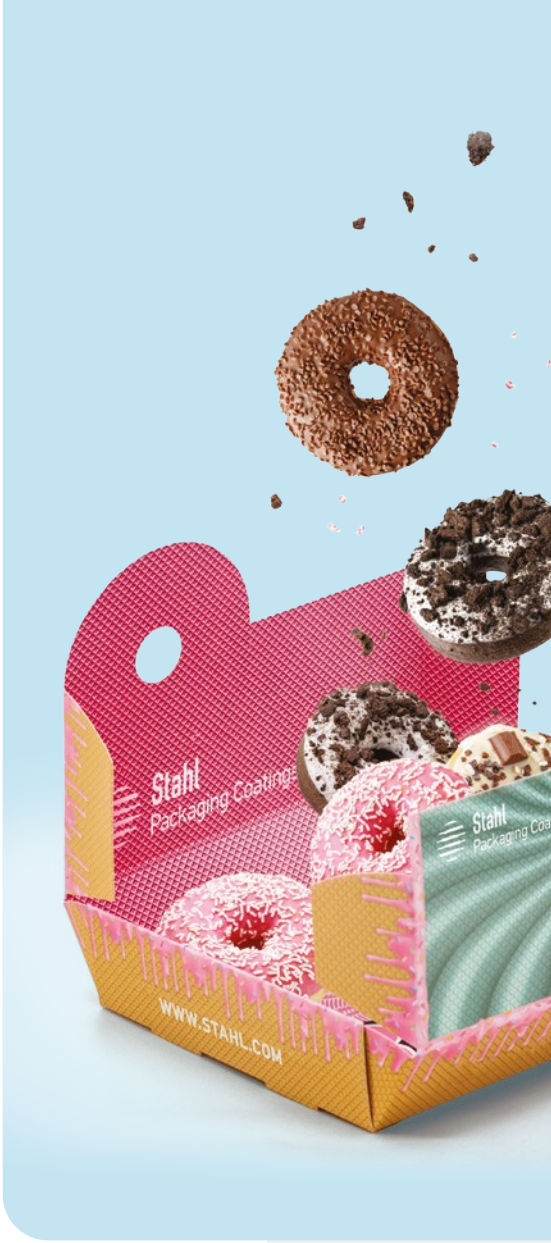
Packaging Directive:
Directive 94/62/EC on packaging and packaging waste contains, among other things, requirements for the manufacture and composition of packaging. Basic requirements are the limitation of heavy metal contents and the minimization of substances classified as hazardous to the aquatic environment accord- ing to Annex VI of the European Regulation (EC) No. 1272/2008 (CLP Regulation).



Stahl
Packaging Coatings

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