



DoC Management for Food Contact Materials

Benefit from a full FCM compliance service from raw material to final article

Food Contact Materials (FCM) must be safe to protect the consumer from potential harm caused by the migration of hazardous substances into the food we eat every day. Migration often cannot be avoided and even substances from the outer layers may end up in the food. Therefore, risk assessment and compliance with limit values together with suitable documentation are particularly important in order to be able to demonstrate compliance.

Hence, ensuring the safety and compliance with all applicable regulations in the countries of distribution is an ever-growing challenge. FCM compliance includes the entire supply chain. For certain materials (e. g. plastic and

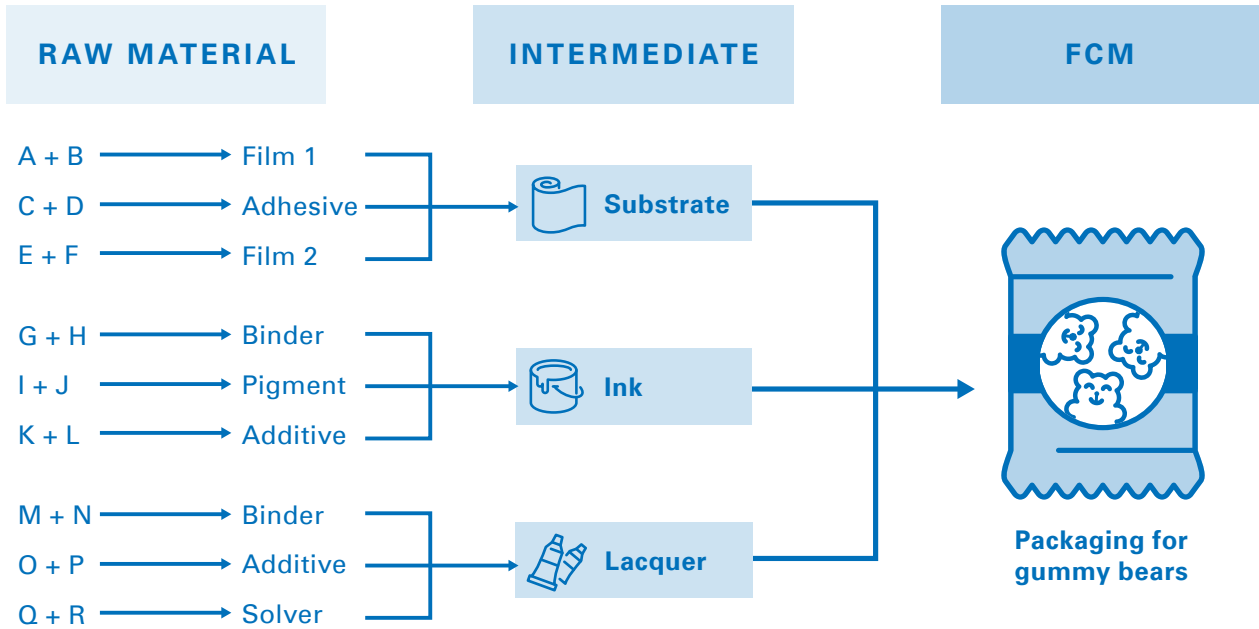
ceramics) on the European Market, every market participant needs to issue a DoC to prove their conformity assessment and to share relevant information. Shared responsibility and transparent communication are the keys to success!

TÜV Rheinland has many years of experience in FCM compliance testing. This experience is now complemented by the expertise of the former MDCTec Services GmbH. By combining the strengths of both companies now consolidated within the same business unit, we will support you according to your needs and are proud to be your one-stop-solution for almost any FCM-related challenge!

AVOID POTENTIAL LIABILITY RISKS

FCM products, like food packaging, consist of many different components made of intermediate products which in turn consist of various raw materials. As a participant in FCM industry, you must maintain supply chain transparency on the production steps you are responsible for. It is

your obligation to pass on relevant information that enables downstream users to produce a safe and compliant FCM. This diagram shows, how complex even a seemingly simple product like a printed plastic bag can be, because it requires a steady flow of information along the supply chain:



WHAT IS A DOC?

A Declaration of Compliance (DoC) is a document to demonstrate compliance with relevant regulations to the downstream user of a given FCM within the supply chain. For Food Contact Materials it also provides important information on specifications for possible use of the FCM and on compliance testing performed. Supplying an accurate DoC for FCM can be extremely complex:

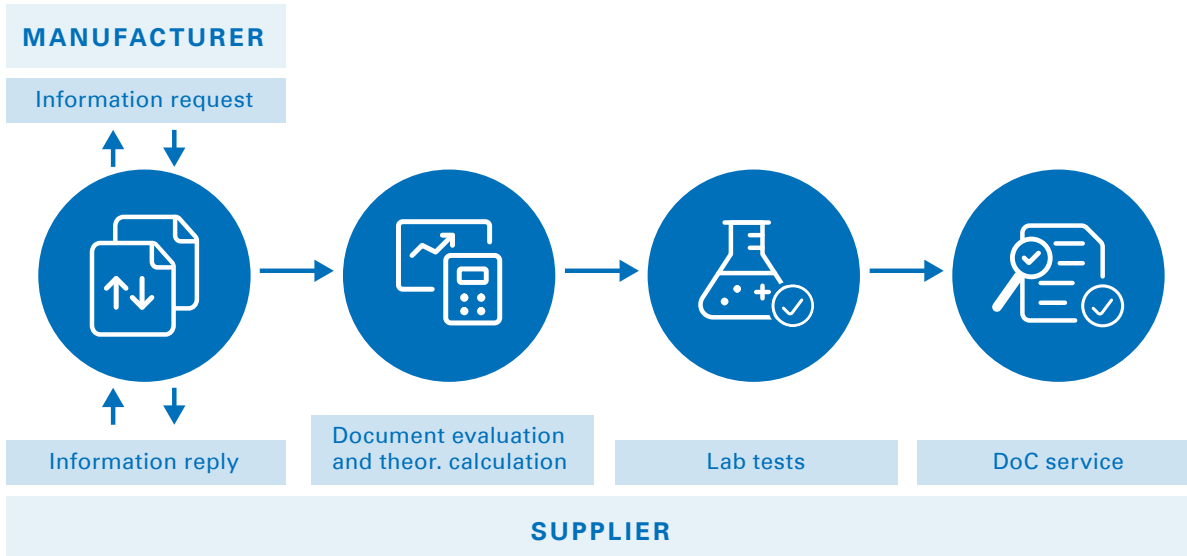
- Documentation complete and in line with regulatory requirements?
- All raw materials approved and suitable for intended use?
- Substance limits (e.g. SML) met?
- Other requirements (e.g. sensory test, overall migration test) met?
- Information on non-intentionally added substances (NIAS) and their risk assessment available?

A realistic evaluation of the final article is only possible with adequate documentation from all steps of the supply chain. Additionally, DoCs may play a very important role in the framework of the new European Ecodesign Directive with the Digital Product Passport!

THE COMPLIANCE PROCESS

There needs to be a two-way exchange between manufacturers and suppliers. Let's focus on the workflow of the intermediate supplier and the packaging manufacturer. After

the manufacturer has collected all relevant information from each intermediate supplier, he can carry on his compliance work and finish with a ready DoC for the final article.



OUR FCM COMPLIANCE SERVICES

We support you with our DoC management services throughout the entire compliance process.

Our portfolio can be designed according to your needs, either as a single service or as a combined package. We cover all food contact materials (plastics, paper, glass, metals, ceramics, renewable raw materials etc.) for all international markets.



INFORMATION REQUEST

- As an independent third party testing institute we collect information from your suppliers
- Suppliers are more willing to share confidential information with a third party, if necessary under NDA



LAB TESTS

- Sensorial test to exclude deterioration in the organoleptic characteristics of food
- Overall migration testing to avoid unacceptable changes in the composition of food
- Specific migration testing to exclude any endangerment of the human health
- Comprehensive screening for IAS and NIAS using GC-MS, LC-QTOF and ICP-MS
- Risk assessment



DOCUMENT EVALUATION AND THEOR. CALCULATION

- Composition check to verify all substances are in line with positive list requirements
- Worst case calculation to check if there is a risk to exceed legal limits
- Migration modelling to provide an initial overview of compliance with substance limits
- DoC check to verify if it's in line with regulatory requirements



DOC SERVICE

- Based on all information above, we can provide a state-of-the-art DoC template for you, ready to sign!

TRUST IN EXPERIENCED PROFESSIONALS

TÜV Rheinland, with over 20 years of experience in the chemical testing of FCM, has been supporting companies around the globe with accurate and reliable services. With our Declaration of Compliance Management Service, we provide support to easily meet complicated regulatory obligations. This frees up valuable resources and allows you to concentrate on your core business and the development of innovative products and processes.

Recently, we have even improved our DoC Management Service with a newly acquired state-of-the-art database. We have information available about numerous substances in FCMs, enabling us to evaluate the substances in your product to ensure compliance. Our experts with many years of experience can support you in the field of DoC management, acting as your compliance partner.

TÜV Rheinland stands by you as a partner, from small projects to long-term cooperations!



All FCM materials (plastics, paper, glass, metals, ceramics, renewable materials...)



All countries



Small projects up to long-term cooperation

You can find out about our DoC Management for Food Contact Materials at any time on our website.

Of course, our experts are also available to answer your questions and concerns in person.

[CONTACT US NOW!](#)

TÜV Rheinland LGA Products GmbH
Tillystraße 2, 90431 Nuremberg,
Germany
Phone: +49 911 655 5225
service@de.tuv.com

www.tuv.com/fcm

 **TÜVRheinland**[®]
Precisely Right.