

Certificate

Version: 2013:1

January 8, 2013

Declaration of Compliance

CKB[®] LDPE

<i>Trade name</i>	CKB[®] LDPE (hereafter referred to as the extrusion coated paperboard)
<i>Product description</i>	Polyethylene coated paperboard
<i>Grammage</i>	For more information see technical specification
<i>PE-coating</i>	The PE-coating might be one side of the paperboard or on both sides of the paperboard. The coating weights vary depending on specifications. For more information see technical specification.
<i>Fiber source</i>	Virgin fiber
<i>Bleaching</i>	All used pulps are elementary chlorine free (ECF-pulps)
<i>Production site</i>	CKB [®] is manufactured at Stora Enso Skoghall Mill and PE-coated at Stora Enso Skoghall Mill, Forshaga
<i>Producer</i>	Stora Enso Skoghall AB

Instructions for safe and appropriate use

This extrusion coated paperboard is intended for packaging dry, aqueous, acidic and fatty foodstuffs.

Based on evaluation against BfR XXXVI and regulation (EU) 10/2011, this extrusion coated paperboard is suitable for use under the following conditions of temperature and time. Please also see limitations in US food contact legislation and storage conditions.

- Freezer/fridge (-20°C to 5°C more than 24 hrs)
- Room temperature (up to 40°C for more than 24 hrs)
- Hot-fill (between 70°C to 100°C for up to 15 minutes)

This extrusion coated paperboard is not suitable for use under the following conditions and temperatures;

- Microwave oven
- Conventional oven

The information given in this certificate is based upon written confirmation from our chemical suppliers, our suppliers of plastics and other barriers as well as analysis performed on representative board samples. When converting this extrusion coated board each part of the converting chain is responsible for the suitability for the intended end-use.

Food contact

We hereby declare that this extrusion coated paperboard before conversion complies where applicable and under foreseeable conditions of use with the relevant requirements of;

- Regulation (EC) No 1935/2004 on materials and articles intended to come into contact with food
- Commission Regulation (EC) No 2023/2006 on good manufacturing practice for materials and articles intended to come into contact with food



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Industry Guideline

The *Industry Guideline for the Compliance of Paper and Board Materials and Articles for food contact* provides harmonised approach for self-regulation of paper and board. Stora Enso as a company support and operate according to the Industry Guideline. More information on the guideline can be found on the following web site;
<http://www.cepi.org/mediacentre/publications>

Raw materials / Compliance with European food contact legislation

Paperboard

For the purpose to achieve high chemical and microbiological purity only virgin fibers and food contact approved chemical additives are used as raw material in the production of paperboard. The pulp and paper manufacturing process conforms to established technology involving the use of generally recognized chemicals.

All chemical additives used as raw materials for the paperboard are mentioned where applicable in the following regulations. Information below is based on the written confirmation of our suppliers and analysis performed on the paperboard.

The **paperboard** complies where applicable and under foreseeable conditions of use with;

- Regulation (EC) No 1935/2004 on materials and articles intended to come into contact with food
- Regulation (EC) No 2023/2006 on good manufacturing practice for materials and articles intended to come into contact with food
- BfR Recommendation XXXVI, Paper and board (2012)

Plastic layer

All substances used as raw materials for the extrusion coating are mentioned where applicable in the following regulations. Information below is based on the written confirmation of our suppliers and analysis performed on the extrusion coated paperboard.

The **substances used in the extrusion coating** comply where applicable and under foreseeable conditions of use with:

- Regulation (EC) No 1935/2004 on materials on materials and articles intended to come into contact with food
- Commission Regulation (EC) No 2023/2006 on good manufacturing practice for materials and articles intended to come into contact with food
- Commission Regulation (EU) 10/2011 as amended until 1282/2011 on plastic materials and articles intended to come into contact with food
- BfR Recommendation III Polyethylene, (2010)

SML – plastic layer

Substances used in the board extrusion coating do not contain any monomers or additives with specific migration limit (SML) according to Commission Regulation (EU) 10/2011.

Dual Use Additives - plastic layer

The polyethylene involved in the converting process contains no substances authorized as food additives in such quantities that migration to foodstuffs could exceed limits set in applicable food legislation.



Analyses / Migration tests according to Commission Regulation (EU) 10/2011

The overall migration tests have been performed on representative samples of **the plastic layer of extrusion coated paperboard** according to EN 1186-14 and EN 1186-5 with the following results. The overall migration limit 10 mg/dm² stipulated in the Commission Regulation (EU) 10/2011* is not exceeded.

Simulant	Contact time (days)	Temperature (°C)	Results (mg/ dm ²)
3 % Acetic acid	10	40	< 10
95 % Ethanol	10	40	< 10

* Transitional provisions in Commission Regulation (EU) 10/2011: Until 31st December 2012 the supporting documents referred to in Article 16 shall be based on the basic rules for overall and specific migration testing set out in the Annex to ECD 82/711/EEC (the old rules). As from 1st January 2013 the supporting documents referred to in Article 16 for materials and articles placed on the market until 31st December 2015 may be based on either the old rules (as above) or the new rules according to Commission Regulation (EU) 10/2011. As from 1st January 2016 the supporting documents referred to in Article 16 shall be based on the new rules according to Commission Regulation (EU) 10/2011.

Raw materials / Compliance with US food contact legislation

Paperboard

All chemical additives used as raw materials for the paperboard comply where applicable and under foreseeable conditions of use with;

- FDA, Title 21, §176.170: Paper and Paperboard Components (2012)
- FDA, Title 21, §176.180: Paper and Paperboard Components (2012)

The information is based on the written confirmation of our chemical suppliers.

Plastic layer

All substances used as raw materials for the extrusion coating are mentioned where applicable in the following regulations. Information below is based on the written confirmation of our suppliers.

Polyethylene layer in direct contact with food complies where applicable and under foreseeable conditions of use with:

- FDA CFR 21 §177.1520 Olefin polymers, (2010)

Analyses / Extraction tests according to Table 2 at 21 CFR §176.170

Based on extraction tests and information from our suppliers the paperboard is suitable as packaging material for the following food types I, II, III, IV-A, IV-B, V, VI-B, VII A, VII-B, VIII and IX up to condition of use E as listed in Table 21 CFR §176.170.

Additional legislation and regulations, not food related

Packaging and Packaging Waste Directive

The **extrusion coated paperboard** complies with the Packaging and Packaging Waste directive 94/62/EC amended by 2004/12/EC.

- The sum of lead, cadmium, mercury and hexavalent chromium in the paperboard is less than 100 ppm (EN 13428).
- The level of substances hazardous* to the environment in the paperboard is less than 0.1 % (EN 13428).

** Requirements for classification of substances or preparations dangerous to the environment and assigned the symbol "N" according to Directive 67/548/EC (Directive on Dangerous Substances) and its amendments or Directive 99/45/EC (Directive on Dangerous Preparations) and its amendments, and according to corresponding classification in the new Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP).*

The **extrusion coated paperboard** is suitable for recovery by ;

- Material recycling (EN 13430)
- Energy recovery (EN 13431)

Note: A material being recoverable by a certain method does not guarantee that the finished packaging can be recovered using this method.

REACH

The aim of REACH is to improve the protection of human health and the environment through the better and earlier identification of properties of chemical substances. The REACH regulation gives greater responsibility to industry to manage the risks from chemicals and to provide safety information on the substances. REACH requires an extensive information exchange in the supply chain in order to fulfill all obligations.

Our obligations in REACH are as a downstream user and as a manufacturer of substances and articles. To secure REACH compliance from our suppliers we have included REACH demands in our purchasing agreement. For the substances that we manufacture and where REACH demands registration we have done or we will do the registrations according to the timelines set in the REACH regulation.

Cellulose pulp is defined as a substance and exempted from registration according to appendix IV. Our paper and paperboard grades are defined as articles without intended release according to REACH. Consequently this means that registration doesn't apply for our paper and paperboard grades.

If any of our articles contains above 0.1% (w/w) of a **Substance of Very High Concern** that will be published on the Candidate List we will inform you as REACH requires. We continuously follow the development of the Candidate List and the substances for authorization. To our knowledge today none of our articles contain any **Substance of Very High Concern** that is on the Candidate List in a concentration above 0.1% (w/w).



Certified management systems at the production site/sites

Certificates are available on the internet:

<http://www.storaenso.com/responsibility/certificates/Pages/certificates.aspx>

Paperboard production

ISO 9001
ISO 14001
ISO 22000
OHSAS 18001
FSC® CoC
PEFC CoC

Polymer coating

ISO 9001
ISO 14001
ISO 22000
OHSAS 18001
FDA/IMS Compliance

Storage and handling requirements

In order to secure and ensure product safety and quality the product must be well wrapped and stored indoor under normal conditions and good protection, sheltered from rain and snow. We recommend consumption within 12 months from manufacturing date and after this time rights of claims normally disappear.

Disclaimer

It is the responsibility of the manufacturer of the finished packages to ensure that products fabricated from material manufactured by us meet all relevant regulatory and legislative requirements, specifications and limitations in the intended application. This certificate and its contents are subject to the following additional limitations and disclaimers:

- *Based on reasonable investigations, the information set out herein is accurate to our current knowledge only. We take no responsibility for information that has been provided to us by our suppliers and on which we have relied when producing the information contained herein.*
- *This certificate is only valid as of its date of publication and, for the avoidance of doubt, we assume no liability for subsequent changes in information, contents, processes, regulatory requirements or otherwise.*
- *This certificate is only valid to the extent it has been signed and delivered by an authorized employee of the Stora Enso group.*
- *Nothing in this certificate shall be interpreted as a warranty (direct or implied) with respect to (a) anything beyond what is expressly set out herein, (b) the merchantability or fitness for a particular purpose, (c) the use, or the suitability for use, in connection with other products or materials, or (e) the safety or legality in any use, processing and handling of our products.*
- *This certificate forms an integral part of the delivery contract between us and the addressee and any limitations of liability set out in such delivery contract shall apply to this certificate.*
- *No one other than the addressee may rely on this certificate and we assume no liability whatsoever to any third party*

Skoghall, 8 January 2013

Stora Enso Renewable Packaging
Skoghall Mill



Anna Johansson
Product Safety Engineer

