

Certificate

Version: 2015:2

November 17, 2015

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 Consumer Board, Skoghall Mill and PE-coated at Stora Enso Consumer Board, 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.

This extrusion coated paperboard is intended for use under the following conditions of temperature and time. Please also see storage conditions.

For limitations according to the US food contact legislation see section Compliance with US food contact legislation. Please note that these limitations might differ comparing with European legislation.

- Freezer/fridge
- Room temperature (up to 40°C for more than 24 hrs)
- Hot-fill (heating up to 70°C for up to 2 h or up to 100°C for 15 minutes)

This extrusion coated paperboard is not intended for use under the following conditions and temperatures.

- Microwave oven
- Conventional oven

For questions regarding if a specific end-use (food type and/or conditions) is covered by this declaration please contact your local sales office for more information. Please note that safe and appropriate use in this context means product safety. There might be technical limitations that the converter needs to take into account and test separately before use.

When converting this paperboard each part of the converting chain is responsible for the suitability for the intended end-use.

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.



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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.

This extrusion coated paperboard is produced in accordance with Commission Regulation (EC) No 2023/2006 on good manufacturing practice for materials and articles intended to come into contact with food.

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 supports and operates 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 in the manufacturing of 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 representative board samples.

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
- BfR Recommendation XXXVI, Paper and board (2014)

The paperboard is produced in accordance with Regulation (EC) No 2023/2006 on good manufacturing practice for materials and articles intended to come into contact with food.

Plastic layer

Information below is based on the written confirmation of our suppliers of raw materials for the plastic layer and analysis performed on the extrusion coated paperboard.

All **the raw materials used in the extrusion coating** comply with the relevant requirements and under foreseeable conditions of use with the following regulations:

- 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 2015/174 on plastic materials and articles intended to come into contact with food

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 used substances in the extrusion coating do not contain any additives that are authorized as food additives by Regulation (EC) No 1333/2008 or as flavourings by Regulation (EC) No 1334/2008.

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
10 % Ethanol	10	40	< 10
95 % Ethanol	10	40	< 10
Isooctane	2	20	< 10

* According to Article 14 of the Commission Regulation (EU) 10/2011: In a multi-material multi-layer material or article, the composition of each plastic layer shall comply with this Regulation. Overall migration limits and specific migration limits of this Regulation do not apply to plastic layers in multi-material multi-layer materials and articles. In a multi-material multi-layer material or article, specific and overall migration limits for plastic layers and for the final material or article may be established by national law.

** Transitional provisions in Commission Regulation (EU) 10/2011: 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 set out in the Annex to ECD 82/711/EEC) 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 (2014)
- FDA, Title 21, §176.180: Paper and Paperboard Components (2014)

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

Plastic layer

All the raw materials used in 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 Title 21 §177.1520 Olefin polymers, (2014)

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

Based on the extraction tests and information from our suppliers this extrusion coated paperboard is suitable for packaging food types I, II, III, IV A-B, V, VI A-B, VII A-B, VIII and IX under the conditions of use XX through XX as listed in table 2 of 21 FDA, CFR Title 21 §176.170.

Analyses / Paperboard

For information on analyses of paperboard with regards to food safety, please see DoC for the corresponding paperboard.



Substances / Paperboard

For information on absence of certain substances in paperboard, please see DoC for the corresponding paperboard.

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 as amended.

- 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 Regulation (EC) 1907/2006

Stora Enso's obligations under REACH are as a manufacturer of articles and substances and as a downstream user.

Where REACH demands registration we have done or will do the registration. Our paper and board grades are defined as articles without intended release with the consequence that no registration is required. Cellulose pulp is defined as a substance and exempted from registration according to annex IV.

We have included REACH demands in our purchasing agreements to secure information exchange in the supply chain. Our chemical suppliers shall continuously follow the development of the Candidate List of Substances of Very High Concern, the substances for authorization as well as any restrictions applicable to our use.

To our knowledge and based on the information from our suppliers today we can confirm that none of our articles contains:

- Substances included on the Candidate List of SVHCs (incl. Annex XIV, Authorisation) in a concentration above 0.1% (w/w).
- Substances included in Annex XVII, Restrictions, where the restriction is applicable on our use.

Certified management systems at the production site/sites

Certificates are available on the internet:

<http://www.storaenso.com/rethink/responsibility/certificates>

Paperboard production

ISO 9001

ISO 14001

FSSC 22000

OHSAS 18001

FSC® CoC

PEFC CoC

ISO 50001

FSC® trademark license code: FSC®-C105192 PEFC™ logo license registration number: PEFC/02-31-71

Polymer coating

ISO 9001

ISO 14001

FSSC 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 converting of the paperboard within 12 months from manufacturing date and after this time rights of claims normally disappear.

For uncertainties regarding the shelf life of the board please contact your local sales office.

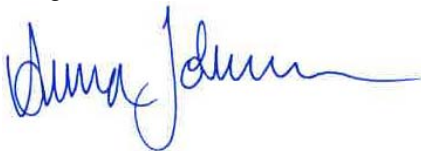
Disclaimer

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, 17 November 2015

Stora Enso Consumer Board
Skoghall Mill



Anna Johansson
Product Safety Engineer

