



**SERVILINER**  
 FULLY COATED WHITE LINED  
 CHIPBOARD (WLC) WITH GREY BACK  
 GD

**TECHNICAL SPECIFICATION**

SUBSTANCE	CALIPER	BULK	SCT CD	BURST	ROUGHNESS	COBB
ISO 536	ISO 534	ISO 534	ISO 9895	ISO 2759	ISO 8791-2	ISO 535
g/m <sup>2</sup>	mm	cm <sup>3</sup> /g	KN/m	KPa	ml/min	g/m <sup>2</sup>
160	0.170	1.06	2.4	280	45	60
180	0.200	1.11	2.5	320	45	60
195	0.219	1.12	2.8	340	45	60
210	0.237	1.13	3.0	360	45	60
230	0.262	1.14	3.3	385	45	60
250	0.288	1.15	3.6	410	45	60
(*) 270	0.313	1.16	3.9	430	45	60
(*) 290	0.336	1.16	4.2	450	45	60

**BRIGHTNESS (AT PRODUCTION)**

TOP	84% +/- 1	ISO 2470-2
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**TOLERANCES - SAMPLING ISO 186**

SUBSTANCE	+/- 2%	
CALIPER	+/- 5%	
SCT CD	- 10%	
BURST	- 20%	
ROUGHNESS	max 60 ml/min	
COBB 60 BACK	+/- 40 g/m <sup>2</sup>	
GLOSS 60° TOP	> 14%	Dr. Lange
TEST CONDITIONS	T: 23° C +/- 1	RH: 50% +/- 2

TOLERANCES AS AGREED BY THE ACTUAL VALID FFI (THE ASSOCIATION OF THE GERMAN CARTON MAKERS)

(\*) NON - STANDARD GRAMMAGE, AVAILABLE ON SPECIAL REQUEST

CERTIFICATIONS: ISO 9001 / ISO 14001 / EMAS  
 FSC® - CERTIFIED BOARD IS AVAILABLE ON REQUEST

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**ISEGA**  
Forschungs- und Untersuchungs-  
Gesellschaft mbH Aschaffenburg

**Dr. Ralph Derra**  
Öffentlich bestellter und vereidigter Sachverständiger für  
Verpackungsmaterialien, Boden- und Luftanalysen;  
Sachverständiger in der Wasseranalytik

15 July 2019  
Dr. Dr/HF-pf

UNBEDENKLICHKEITSERKLÄRUNG  
CERTIFICATE OF COMPLIANCE  
CERTIFICAT DE CONFORMITE

eingetragen  
registered no.  
registré 49941 U 19

für  
for  
pour R.D.M. Arnsberg GmbH  
Hellefelder Straße 51  
59821 Arnsberg  
Germany

Produkt  
Produit Serviliner  
Flexoliner

The products manufactured by the company mentioned above are board grades which are used for food packaging.

They were examined by us according to the

"Methoden zur Untersuchung von Papieren, Kartons und Pappen für Lebensmittelverpackungen", Stand 2008, entsprechend der Vorschrift Nr. 80.56 in der Amtlichen Sammlung von Untersuchungsverfahren nach § 64 des Lebensmittel- und Futtermittelgesetzbuchs - LFGB,

("Methods for testing papers and boards for food packaging", state of 2008, corresponding to the method no. 80.56 within the Official Collection of Test Methods according to § 64 of the Foodstuffs and Animal Feed Code - LFGB),

for the used raw materials, fabrication additives and special paper finishing agents as well as for the release of substances which might endanger health.

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Furthermore, the migration of various elements was examined according to the

DIN EN 71, part 3 "Safety of Toys, Migration of Certain Elements", state of August 2018,

as well as the content of heavy metals according to the

Directive 94/62/EC of the European Parliament and of the Council of 20 December 1994, on packaging and packaging waste, Official Journal of the European Communities L 365/10 of 31 December 1994, last amendment by the Directive (EU) 2018/852 of the European Parliament and of the Council of 30 May 2018, Official Journal of the European Union L 150/141 of 14 June 2018.

The board grades are in compliance with the rules of the

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004 on materials and articles intended to come into contact with food and repealing Directives 80/590/EEC and 89/109/EEC, Official Journal of the European Union L 338/4 of 13.11.2004, modified by app. no. 5.17 of the regulation (EC) No 596/2009 of 18 June 2009, Official Journal of the European Union L 188 of 18 July 2009, article 3,

as well as of the

Lebensmittel-, Bedarfsgegenstände- und Futtermittelgesetzbuch (Lebensmittel- und Futtermittelgesetzbuch - LFGB) in der Fassung der Bekanntmachung vom 3. Juni 2013 (BGBl. I S. 1426), zuletzt geändert durch Artikel 1 des Gesetzes vom 24. April 2019 (BGBl. I S. 498), §§ 30 und 31,

(Foodstuffs, Consumer Goods and Animal Feed Code (Foodstuffs and Animal Feed Code - LFGB) in the version of the notification of 3 June 2013 (BGBl. p. 1426), last amendment by article 1 of the act of 24 April 2019 (BGBl. I p. 498), §§ 30 and 31),

and are approved according to the

BfR-Empfehlung XXXVI. Papiere, Kartons und Pappen für den Lebensmittelkontakt, neu gefasst durch 62. Mitteilung, Bundesgesundheitsblatt 14 (1971) 83, zuletzt geändert durch 221. Mitteilung, Bundesgesundheitsblatt 61 (2018) 236, Stand vom 01.09.2017,

(BfR Recommendation XXXVI. Paper and board for food contact, recast by 62<sup>nd</sup> Announcement, Bundesgesundheitsblatt 14 (1971) 83, last amended by 221<sup>st</sup> Announcement, Bundesgesundheitsblatt 61 (2018) 236, as of 1 September 2017).

Moreover, the board grades meet the demands of the

DIN EN 71, part 3 "Safety of Toys, Migration of Certain Elements", state of August 2018,

as well as of the

Directive 94/62/EC of the European Parliament and of the Council of 20 December 1994, on packaging and packaging waste, Official Journal of the European Communities L 365/10 of 31 December 1994, last amendment by the Directive (EU) 2018/852 of the European Parliament and of the Council of 30 May 2018, Official Journal of the European Union L 150/141 of 14 June 2018,

with regard to the content of heavy metals.

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Thus the board grades **Serviliner** and **Flexoliner** according to the sample material submitted may be used safely for food packaging. They may stand in direct contact with dry, non-fatty foodstuffs and such kind of foodstuffs which are peeled, shelled or washed before consumption and may also be used for secondary packaging. Dry, non-fatty foodstuffs with large surfaces may be packed by using an appropriate intermediate packaging.

This certificate of compliance has a validity of 2 years and consists of 4 pages.

#### Certification decision



**Offiziell anerkannter Sachverständiger**  
zur Untersuchung der Geeignetheit von  
Verpackungsmitteln aus Papier, Papp,  
Kunststoffen, Glas, Holz, Kork und  
sonstigen Materialien, die mit ihrer  
Lebensmittelkontakt in Verbindung stehen!

(Derra)  
Officially certified  
and authorized food  
chemist

The translation of the above stamps is given on page 4.  
La traduction des estampilles est donnée en page 4.

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**Staatlich anerkannter Sachverständiger zur Untersuchung der Gegenproben von Verpackungsmitteln aus Papier, Pappe, Kunststoffen, Glas, Weißblech und sonstigen Metallverpackungen auf ihre lebensmittelrechtliche Unbedenklichkeit**

Dr. Ralph Derra

Authorized expert for the analyses of packaging materials, attested by the Aschaffenburg Chamber of Industry and Commerce.

Expert autorisé pour l'analyse des matériaux d'emballage, assermenté par la Chambre d'Industrie et de Commerce d'Aschaffenburg.

State registered expert for the analysis of contrasting samples of packaging materials of paper, board, plastics, glass, tin plate and other metallic packaging materials as to their suitability for use with foodstuffs.

Expert public pour l'étude du contrôle des contre-échantillons d'emballages de papier, cartons, plastiques, verre, fer-blanc et d'autres emballages métalliques concernant leur conformité alimentaire.



Dr. Ralph Derra

Authorized expert for the analyses of soil and air, attested by the Aschaffenburg Chamber of Industry and Commerce.

Expert autorisé pour l'analyse du sol et de l'air, assermenté par la Chambre d'Industrie et de Commerce d'Aschaffenburg.

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