



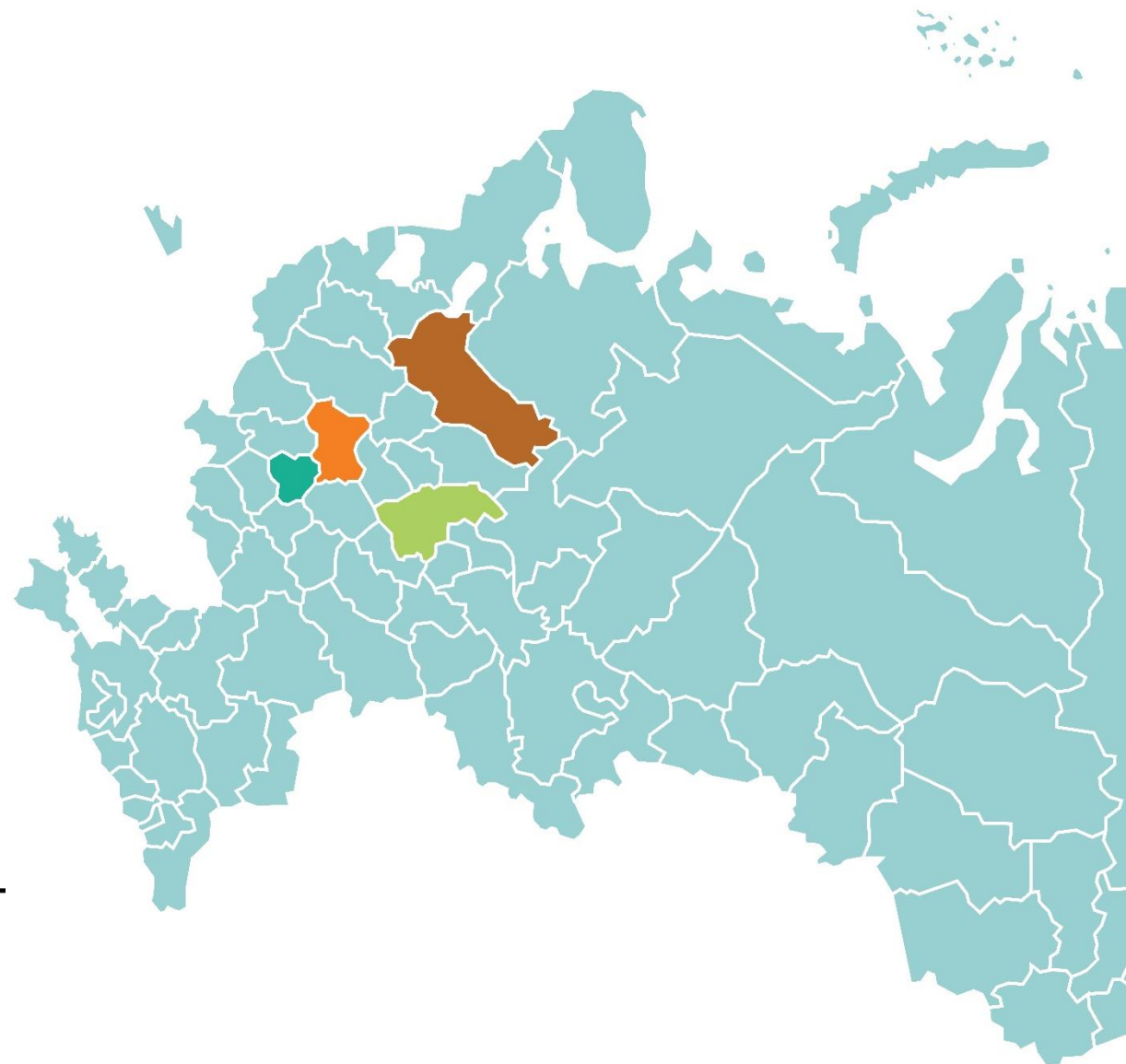
CPM

Consolidated
Paper Mills
Company

THE CPM'S ENTERPRISES



The company was founded in **2003**.
Largest player in the recycled
containerboard market.



THE CPM'S ENTERPRISES



**position of the
containerboard
market in Russia**



**position of the production's
volume of recycled
containerboard in Russia**



**position of recycled
containerboard sales
in the Russian market**

The company also produces fiberboard, multi-layer cardboard (bookbinding board, boxboard, core board), a wide range of paper stationary products, recycled eco-bags, corrugated packaging, flexible paper packaging: parchment, packaging paper types, combined materials and bags with a V-shaped bottom.



SUKHONSKY CARDBOARD AND PAPER MILL, LLC

The Mill is located in the Northwestern Federal District, in Sokol town of Vologda region, 32 km from Vologda and 510 km away from Moscow. Topliner, linerboard and fluting as well as fiberboard and corrugated products are produced here. Our products are used in the food, furniture industries, construction, mechanical engineering and other industries both in Russia and abroad.



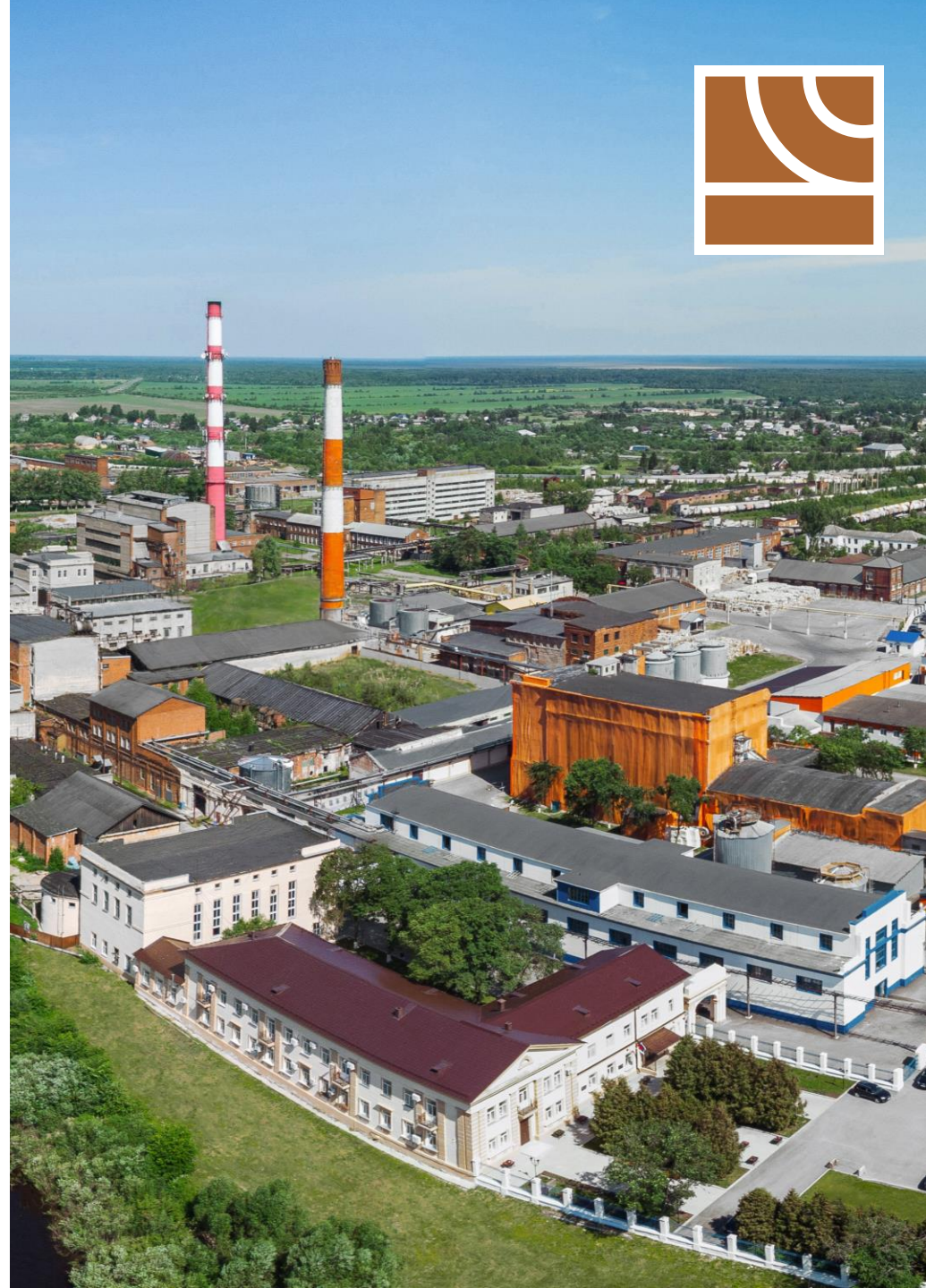
Our proprietary research and testing laboratories exercise continuous control of finished product quality which was confirmed repeatedly with “100 Best Products in Russia” diplomas



The quality management system is certified for compliance with the ISO 9001-2015 requirements



In 2022, the company celebrated its 105th anniversary



SUKHONSKY CPM PRODUCTION

More than
330 thousand tons of
containerboard

CPM-3

Capacity, tons
62 000

Trim width, mm
3150

Fluting, g/m²
80/90/100/110/115/120/
125/ 135/140/150

Linerboard, g/m²
100/110/115/120/125/
135/140/150

CPM-4

Capacity, tons
83 000

Trim width, mm
2520

Fluting, g/m²
80/90/100/110/115
120/125/135/140/150/
160/175

Linerboard, g/m²
100/110/115/120/125/
135/140/150/160/175

Topliner, g/m²
115/125/135/140

CPM-7

Capacity, tons
189 000

Trim width, mm
4550

Fluting, g/m²
80/90/100/110/115/
120/125/135/140/150/
160/175/200

Linerboard, g/m²
100/110/115/120/125/
135/140/150/160/175/
200

More than
30 mln m²

FIBERBOARD PRODUCTION LINE

Quality

Russian GOST 4598-2018:
Mark 'T', group 'A'

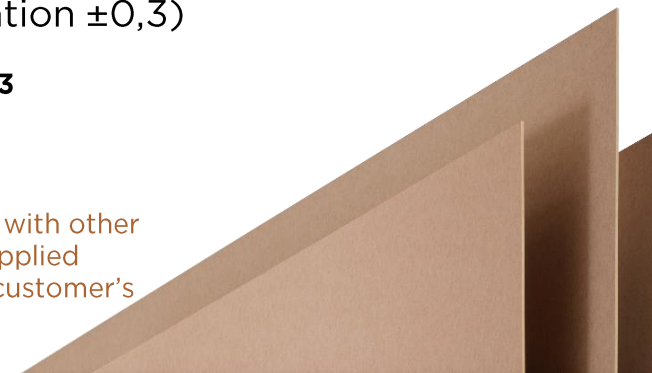
Length, mm
610-3050

Width, mm
610-1700

Thicknesses, mm
2-5
(limit deviation $\pm 0,3$)

Density, kg/m³
up to 1100

The fiberboard with other
sizes can be supplied
according the customer's
request.



POLOTNYANY ZAVOD PAPER MANUFACTURE, LLC

The Manufacture is located in the Central Federal District, in Polotnyany Zavod settlement of Kaluga region, 35 km from Kaluga and 180 km away from Moscow.

The Manufacture produces linerboard and fluting, corrugated products, wide range of office-paper products (notebooks, drawing albums, sets for creation) and eco-bags “MakPak” from recycled materials (waste paper).

Products are sold in the domestic market and abroad.



The product quality has been confirmed repeatedly with “100 Best Products in Russia” laureate diplomas



We participate in the Labor Performance and Employment Support National Project



The quality management system is certified for compliance with the ISO 9001-2015 requirements



One of the oldest enterprises of the Russian pulp and paper industry with a rich history and centuries-old traditions. In 2023, the company celebrates its 305th anniversary



The unique «Buzeon» paper museum is based here



PZPM PRODUCTION

More than

80 thousand tons of
containerboard

CPM-1

Capacity, tons

48 000

Trim width, mm

2500

Fluting, g/m²

80/90/100/110/120/125/135/
140/ 150/175

Linerboard, g/m²

100/110/115/120/125/135/140/
150/175

CPM-2

Capacity, tons

34 000

Trim width, mm

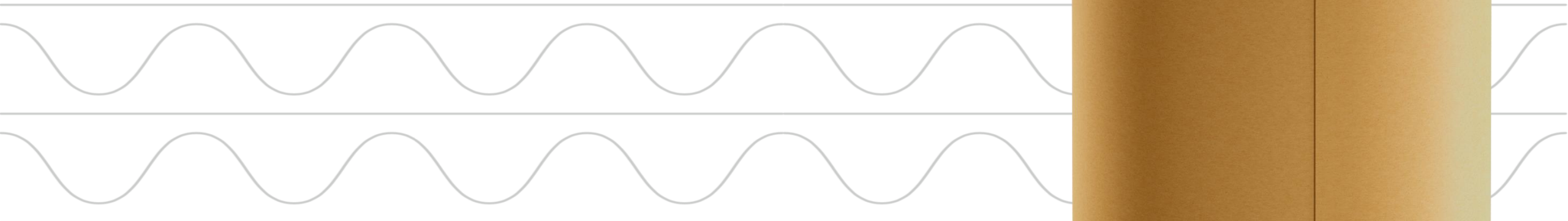
2100

Fluting, g/m²

80/90/100/110/120/125/135/
140/ 150/175

Linerboard, g/m²

100/110/115/120/125/135/140/
150/175



BALAKHNA CARDBOARD FACTORY, LLC

The Factory is located in the Volga Federal District, in Balakhna town of the Nizhny Novgorod region. The distance from Nizhny Novgorod is 15 km, to Moscow — 410 km.

The Factory produces containerboard and multilayer cardboard (bookbinding, box and core cardboard). Products are sold in the domestic market and abroad.



One of the largest manufacturers of multilayer cardboard



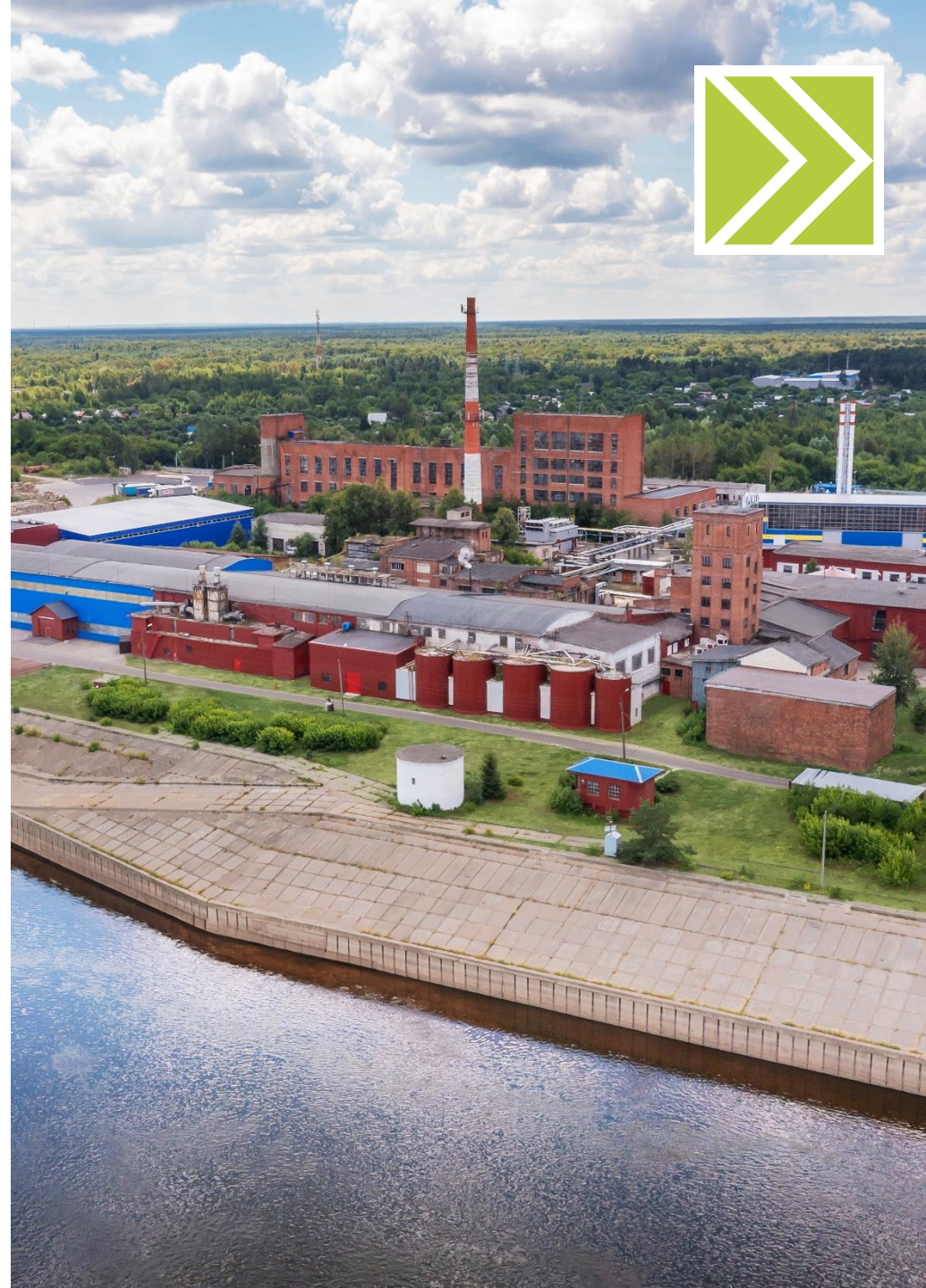
The Factory has been a participant of the Labor Performance and Employment Support National Project



The enterprise has proprietary research and testing laboratories in place to exercise continuous control of finished product quality and ensure its continuous improvement



In 2023, the company celebrated its 95th anniversary



BCF PRODUCTION



More than

35 thousand tons of
containerboard

More than

45 thousand tons of
multilayer cardboard

CPM-5

BOX AND CORE CARDBOARD

Grades (boxboard)

B-0

Grades (core board)

BKG-0, BKG-1, BKG-1.1

Grammage, g/m²

340-520

Thickness, mm

0,5-0,8

**Bond energy according
to Scott-Bond, J\m²**

250-400

BOOKBINDING BOARD

Grades

PKS, PKS-P (polygraphy),
PKS-0 (lightweight), B

Thickness, mm

0,8-2,5

Width, mm

up to 1050

Length, mm

up to 1050

CPM-6

CONTAINERBOARD

Trim width, mm

2520

Fluting, g/m²

110/120/125/135/140/
150/160/175/200

Linerboard, g/m²

115/120/125/135/140/
150/160/175/200



TROITSKAYA PAPER MILL

The Mill is located in the Central Federal District, in Kondrovo town of the Kaluga region. The distance to Kaluga is 44 km, to Moscow – 193 km.

The Mill produces a wide range of environmentally friendly packaging products: vegetable parchment (transparent, opaque, colored), wet-strength paper, paper for packaging and sterilization of medical products, combined materials and bags with a V-shaped bottom.

It is a part of the CPM Company since December 2022.



The only enterprise in Russia that produces vegetable parchment - universal packaging for fat and moisture-containing products



The quality management system is certified for compliance with the ISO 9001:2015 requirements



The products are used in the food, medical, textile, and furniture industries



Worldwide delivery



The products have certificates of conformity of voluntary certification according to the ECO-TEST PLUS and FSC 22000 (version 5.1)



TBF PRODUCTION



PAPER MACHINE

CPM-8

Capacity, tons
24 000

Trim width, mm
2590

Cutting into sizes from 340 mm

PRODUCTS

- Wet-strength paper, including colored
- Paper for confectionery packaging including colored
- Paper for packaging and sterilization of medical products

EXTRUSION LAMINATING MACHINE

Width, mm
2150

PRODUCTS

- Laminated paper
- Combined materials based on aluminum foil

PAPER MACHINE

CPM-9

Capacity, tons
12 000

Trim width, mm
2520

PRODUCTS

- Base paper for parchment (including colored)

PAPER BAG MACHINE

Capacity, pcs
up to 36 million

Trim width, mm
900

PRODUCTS

- Bags made of paper and combined materials with a V-shaped bottom

PARCHMENT MACHINE

PM-121, 122

Capacity, tons
10 000

Trim width, mm
2200

PRODUCTS

- Vegetable parchment (transparent)
- Vegetable parchment (opaque)
- Vegetable parchment (colored)
- Parchment for crimped cups (with slip easy effect)

COATING MACHINES (2 PCS)

Trim width, mm
500-820

PRODUCTS

- Parchment with antiadhesive coating (PA-2)

30 thousand tons of paper

10 thousand tons of parchment



TRADING HOUSE “FORMAT”



It is the largest supplier of recycled containerboard and fiberboard (wet production method). Trading House “Format” is also a supplier of corrugated board. The company is also a major buyer of timber.

TH Format exports to international markets:

- recycled containerboard (testliner, fluting)
- fiberboard

The head office is located in Sokol, Vologda region, with an additional office in Moscow.



VOLOGDA OFFICE

office 1, bld. 3, Bedniakov street, Sokol town,
Vologda region, 162135, Russia
+7 (81733) 3-22-03

Fiberboard division

vologda@td-format.com

MOSCOW OFFICE

Office 501B, block B, 5th floor, bldg. 1, household 4, 22nd
kilometer of the Kievskoe highway, Moscow, Russia, 108811
+7 (495) 514-03-24

Containerboard division

export@td-format.com

LINERBOARD OBF PREMIUM

TEHNICAL SPECIFICATION



PARAMETER NAME	OBF PREMIUM (STANDARDS)													TEST METHOD
	100±3	110±3	115±3	120±3	125±3	135±3	140±3	150±3	160±3	175±3	200±3	225±3		
Grammage, g/m ²	100±3	110±3	115±3	120±3	125±3	135±3	140±3	150±3	160±3	175±3	200±3	225±3	As per GOST R ISO 536	
Grammage variations over reel width, %, no more													As per GOST R ISO 536 and item.5.4 of the present Specifications	
OBF Premium S													2,5	
OBF Premium													4,0	
Short Compression Test CD (SCT _{CD}), kN/m	2,00- 2,20	2,20- 2,40	2,30- 2,50	2,40- 2,65	2,50- 2,75	2,70- 3,00	2,80- 3,10	3,00- 3,30	3,20- 3,50	3,40- 3,60	3,60- 3,80	3,80- 4,00	As per GOST R ISO 9895	
Bursting Strength Test (BST), kPa, no less	290	320	335	350	360	390	405	435	465	475	540	580	As per GOST R ISO 2759	
Absorbency of water at one- sided wetting, at top side, Cobb ₆₀ , g/m ² , no more													As per GOST 12605 and item.5.3 of the present Specifications	
													40	
Average moisture content, %													6,5-8,5	As per GOST ISO 287
Moisture variation over reel width, %, no more													1,5	As per GOST ISO 287 and items
OBF Premium S													2,0	5.4, 5.5 of the present Specifications
OBF Premium														

Note: Other values of physical and mechanical quality indicators can be agreed with the consumer at proportional increase of wholesale price of products.

FLUTING OBF PREMIUM

TEHNICAL SPECIFICATION



PARAMETER NAME	OBF PREMIUM (STANDARDS)														TEST METHOD	
Grammage, g/m ²	80±3	90±3	100±3	110±3	115±3	120±3	125±3	135±3	140±3	150±3	160±3	175±3	200±3	225±3	As per GOST R ISO 536	
Grammage variations over reel width, %, no more															As per GOST R ISO 536 and item.5.4 of the present Specifications	
OBF Premium S OBF Premium															2,5 4,0	
Corrugated Medium Test, (CMT _o), H, with a strip width of 15 mm, no less															As per GOST R ISO 7263	
OBF Premium S OBF Premium	170 160	190 180	210 200	230 220	240 230	250 240	260 250	285 270	295 280	315 300	335 320	370 350	420 400	470 450		
Short Compression Test CD (SCT _{CD}), kN/m	1,60- 1,75	1,80- 2,00	2,00- 2,20	2,20- 2,40	2,30- 2,50	2,40- 2,65	2,50- 2,75	2,70- 3,00	2,80- 3,10	3,00- 3,30	3,20- 3,50	3,40- 3,60	3,60- 3,80	3,80- 4,00	As per GOST R ISO 9895	
Tensile strength in machine direction, (S), kN/m, no less	5,5		6,0									6,5		As per GOST R ISO 1924-2		
Absorbency of water, g/m ² , (Kobb30), at the average on both sides															30-70	As per GOST R ISO 12605 and item.5.3 of the present Specifications
Average moisture content, %															6,5-8,5	As per GOST ISO 287
Moisture variation over reel width, %, no more															1,5 2,0	As per GOST ISO 287 and items 5.4, 5.5 of the present Specifications
OBF Premium S OBF Premium																

Note: Other values of physical and mechanical quality indicators can be agreed with the consumer at proportional increase of wholesale price of products.

LINERBOARD OBF LINER 1

TEHNICAL SPECIFICATION



PARAMETER NAME	OBF LINER 1 (STANDARDS)												TEST METHOD
Grammage, g/m ²	100±3	110±3	115±3	120±3	125±3	135±3	140±3	150±3	160±3	175±5	200±5	225±5	As per GOST R ISO 536
Grammage variations over reel width, %, no more	4,0												As per GOST R ISO 536 and item.5.4 of the present Specifications
Short Compression Test CD (SCT _{CD}), kN/m	1,80-2,00	1,95-2,20	2,05-2,30	2,15-2,40	2,25-2,50	2,45-2,70	2,50-2,80	2,65-3,00	2,85-3,20	3,10-3,40	3,40-3,60	3,60-3,80	As per GOST R ISO 9895
Bursting Strength Test (BST), kPa, no less	270	300	310	325	340	365	380	405	430	450	490	530	As per GOST R ISO 2759
Absorbency of water at one-sided wetting, at top side, Cobb ₆₀ , g/m ² , no more	40												As per GOST 12605 and item.5.3 of the present Specifications
Average moisture content, %	6,0-8,5												As per GOST ISO 287
Humidity change on reel width, %, no more than	2,5												As per GOST ISO 287 and items 5.4, 5.5 of the present Specifications

Note: other values of physical and mechanical quality indicators can be agreed with the consumer at proportional increase of wholesale price of products.

FLUTING OBF MEDIUM HP

TEHNICAL SPECIFICATION



PARAMETER NAME	OBF MEDIUM HP (STANDARTS)														TEST METHOD
Grammage, g/m ²	80±3	90±3	100±3	110±3	115±3	120±3	125±3	135±3	140±3	150±3	160±3	175±5	200±5	225±5	As per GOST R ISO 536
Grammage variations over reel width, %, no more	4,0														As per GOST R ISO 536 and item.5.4 of the present Specifications
Corrugated Medium Test, (CMT ₀), H, with a strip width of 15 mm, no less	140	160	175	195	200	210	220	235	245	260	280	305	350	395	As per GOST R ISO 7263
Short Compression Test CD (SCT _{CD}), kN/m	1,45-1,60	1,60-1,80	1,80-2,00	1,95-2,20	2,05-2,30	2,15-2,40	2,25-2,50	2,45-2,70	2,50-2,80	2,65-3,00	2,85-3,20	3,10-3,40	3,40-3,60	3,60-3,80	As per GOST R ISO 9895
Tensile strength in machine direction, (S), kN/m, no less	5,0		5,5			6,0									As per GOST R ISO 1924-2
Absorbency of water, g/m ² , (Kobb30), at the average on both sides	30-70														As per GOST R ISO 12605 and item.5.3 of the present Specifications
Average moisture content, %	6,0-8,5														As per GOST ISO 287
Moisture variation over reel width, %, no more	2,5														As per GOST ISO 287 and items 5.4, 5.5 of the present Specifications

Note: other values of physical and mechanical quality indicators can be agreed with the consumer at proportional increase of wholesale price of products.

SCIENCE IS AT THE HEART OF ALL PROCESSES

More than

20

years of own
developments

10

PhDs with degrees in
paper manufacturing
hired

More than

200

scientific publications in
Russia and worldwide



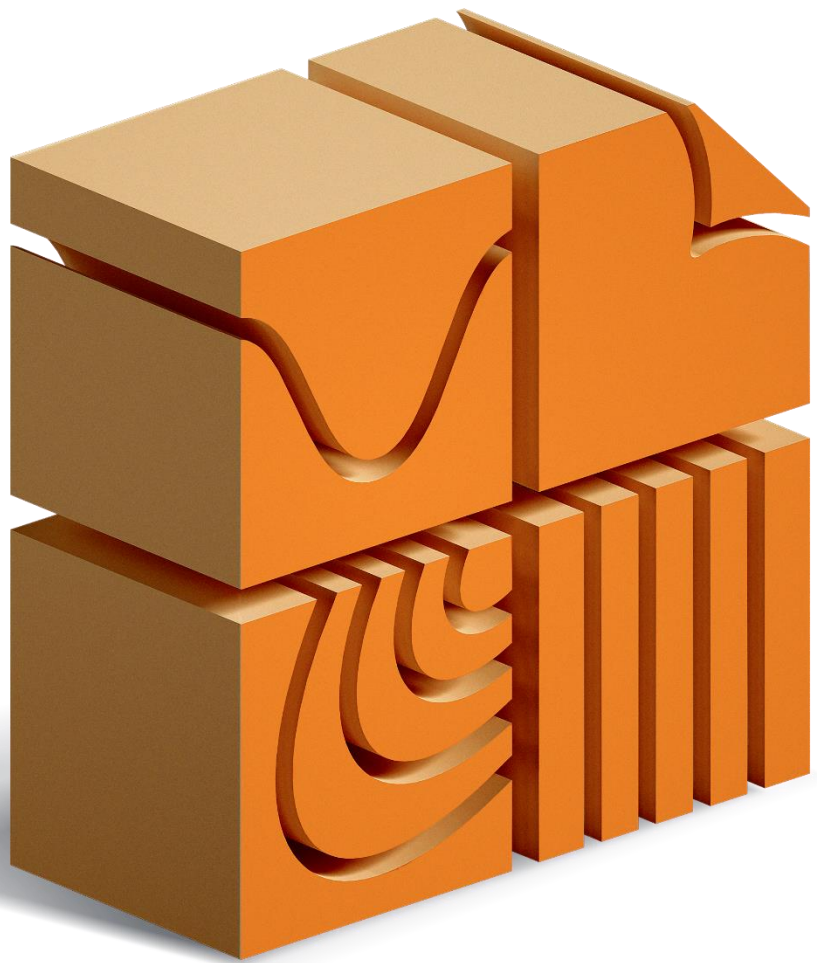
СЕВЕРНЫЙ
АРКТИЧЕСКИЙ,
ФЕДЕРАЛЬНЫЙ
УНИВЕРСИТЕТ
ИМЕНИ М. В. ЛОМОНОСОВА

CPM production is based on the use of innovative technologies and own developments in the field of improving the physical and mechanical properties of containerboard, the manufacturability of its processing for corrugated equipment, and improving the consumer properties of corrugated packaging.

The CPM has been engaged in scientific work for more than 20 years, ten specialists with a scientific degree in the field of pulp and paper technology work here, the results of research activities are published in leading publications in Russia and abroad.

The work is carried out in cooperation with Department of Pulp and Paper and Wood Chemical Industries of the Northern (Arctic) Federal University named after M. V. Lomonosov which has the most modern research base.

All this allows the CPM Company to produce goods with the highest quality indicators and to maintain the position of technological market leader



THANK YOU!

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