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2016

PAL MELAMINAT ȘI BLATURI DE LUCRU
MFC AND WORKTOPS

VISION 2016

TECHNOTOP
WORKTOPS

NEOTOP
WORKTOPS



Kastamonu Romania produce PAL melaminat pe formatul standard 2800 x 2070 mm într-o varietate de grosimi de la 8 mm la 38 mm. Plăcile de PAL melaminat sunt realizate din plăci de PAL brut ale căror suprafețe sunt acoperite cu hârtie decor impregnată cu rășini melaminice, prin presare în anumite condiții de temperatură și presiune.

Fabrica de PAL care funcționează pe platforma Kastamonu Romania este compusă dintr-o linie de producție pentru PAL brut cu o capacitate de 500.000 de mc pe an, o linie de impregnare a hârtiei de decor (50.000.000 mp/an) și două linii de melaminare (20.000.000 mp/an).

Colecția de decoruri VISION conține 120 de decoruri din categoriile lemn, uni și fantezie, disponibile în 7 structuri diferite. Kastamonu Romania propune o gamă de decoruri echilibrată, adaptată cerințelor actuale, care este completată în fiecare an în concordanță cu tendințele pieței.

Kastamonu Romania manufactures melamine-faced chipboard with the standard size of 2800 x 2070 mm in a variety of thicknesses from 8 mm to 38 mm. The boards are made from raw chipboard whose surfaces are coated with melamine resin impregnated decorative paper, which is pressed in specific conditions of temperature and pressure.

The chipboard factory on the Kastamonu Romania platform is composed of a raw chipboard production line with a capacity of 500,000 cbm per year, a decor paper impregnation line (50,000,000 sqm/year) and two melamining lines (20,000,000 sqm/year).

The VISION decors collection contains 120 decors in the wood, uni and fantasy categories, available in 7 different structures. Kastamonu Romania is proposing a balanced range of decors, adapted to current requests, which is completed each year in order to be in line with market trends.



vision²⁰¹⁵

PAL MELAMINAT
MELAMINE - FACED CHIPBOARD



LEMN / WOOD

COD DECOR	RO	EN	STRUCTURA
A316	WENGE NAIROBI	NAIROBI WENGE	PS11
A319	ARȚAR	MAPLE	PS17
A333	BERGAMA	BERGAMA	PS17
A353	TEAK	TEAK	PS17
A354	BOSFOR	BOSFOR	PS19
A356	ZEBRANO CLASIC	CLASSIC ZEBRANO	PS11, PS12
A357	BRAD	SPRUCE	PS19
A359	VIȘIN	MORELLO CHERRY	PS17
A373	NUC LATIN	LATIN WALNUT	PS11, PS12
A379	BAMBUS	BAMBOO	PS11
A380	SAMBA	SAMBA	PS11, PS12
A391	SEMERKAND AURIU	GOLDEN SEMERKAND	PS19
A392	SEMERKAND ARGINTIU	SILVER SEMERKAND	PS19
A394	ZEBRANO DESCHIS	LIGHT ZEBRANO	PS19, PS12
A395	CORDOBA	CORDOBA	PS19
A396	CARMEN	CARMEN	PS19
A398	NUC ITALIAN	ITALIAN WALNUT	PS17
A400	ZEBRANO ÎNCHIS	DARK ZEBRANO	PS19
A411	SAKARYA	SAKARYA	PS19
A414	STEJAR ANTRACIT	ANTHRACITE OAK	PS19
A415	BIANCO	BIANCO	PS19
A416	NEVADA	NEVADA	PS11
A417	HAVANA	HAVANA	PS13
A418	SAFIR DESCHIS	LIGHT SAPHIRE	PS11
A419	SAFIR ÎNCHIS	DARK SAPHIRE	PS11
A423	SAN REMO	SAN REMO	PS13
A429	ETNA	ETNA	PS13
A431	MONZA	MONZA	PS13
A433	EVORA	EVORA	PS11
A439	IBIZA	IBIZA	PS11
A800	CIREȘ	CHERRY	PS17
A801	CIREȘ OXFORD	OXFORD CHERRY	PS11
A802	FAG DESCHIS	SAMERBERG BEECH	PS17
A803	ARIN	ALDER	PS17
A804	STEJAR SONOMA	SONOMA OAK	PS17
A805	STEJAR CANTERBURY	CANTERBURY OAK	PS17
A806	STEJAR DESCHIS	MARBURG OAK	PS11
A807	PRUN	WALLIS PLUM	PS11
A808	STEJAR GRI	WINDSOR OAK	PS11
A809	SALCÂM DESCHIS	MOLDAU ACACIA	PS11
A810	CIREȘ MORGANA	MORGANA CHERRY	PS11
A811	NUC AIDA	AIDA WALLNUT	PS11
A812	FLEEDWOOD	FLEEDWOOD	PS17
A814	STEJAR AURIU	GOLDEN OAK	PS17
A815	PIN TOSCA	TOSCA PINE	PS17
A816	ARIN ONTANO	ONTANO ALDER	PS10
A817	WENGE	YORKSHIRE OAK	PS11
A818	FAG	BAVARIAN BEECH	PS17
A819	STEJAR NATUR	MIAMI OAK	PS17
A820	STEJAR RIFT	RIFT OAK	PS19
A821	GORUN	CHAMPAGNER OAK	PS17
A822	NUC ADRIA	ADRIA WALNUT	PS11
A823	PIN CARRIZO	CARRIZO PINE	PS19
A824	STEJAR RUSTIC	LANDINO OAK	PS17
A825	NUC CARMÉ	CARMÉ WALNUT	PS17
A826	PIN LARICO	LARICO PINE	PS19
A827	MESTEACAN	BIRCH	PS11
A829	STEJAR PERRIER DESCHIS	LIGHT PERRIER OAK	PS19
A830	STEJAR PERRIER ÎNCHIS	DARK PERRIER OAK	PS19
A831	STEJAR CANTORI	CANTORI OAK	PS17
A832	MAHON	MAHOGANY	PS17
A833	STEJAR GRANDE	GRANDE OAK	PS17

A834	PĂR SĂLBATIC DESCHIS	LIGHT WILD PEAR	PS11
A835	PĂR SĂLBATIC	WILD PEAR	PS11
A836	FAG CAFÉ	SPREE BEECH	PS11
A838	NERO	NERO	PS19
A839	LARICE CREM	CRÈME LARCH	PS19
A840	STEJAR MAGIC	MAGIC OAK	PS11
A841	TEAK CAMARO	CAMARO TEAK	PS19
A842	STEJAR SONOMA DESCHIS	LIGHT SONOMA OAK	PS19
A843	LARICE IDA	IDA LARCH	PS13
A844	LARICE IDA ÎNCHIS	DARK IDA LARCH	PS13
A845	ULM	ELM	PS13
A846	FAG CORVARA	CORVARA BEECH	PS11
A847	STEJAR ANTICHIZAT	CANYON OAK	PS19
A859	FAG VICTORIA	VICTORIA BEECH	PS13
A860	STEJAT KORONA	KORONA OAK	PS13
A865	STEJAR SHERWOOD	SHERWOOD OAK	PS19
A866	STEJAR SONOMĂ ÎNCHIS	DARK SONOMA OAK	PS19

CULORI UNI / UNI COLORS

COD DECOR	RO	EN	STRUCTURA
D102	BEJ	BEIGE	PS14, PS12
D104	FILDEȘ	IVORY	PS11
D107	NEGRU	BLACK	PS14, PS12
D108	ALBASTRU	BLUE	PS11
D114	PORTOCALIU	ORANGE	PS11
D116	GRI METALIC	METALLIC GRAY	PS14
D117	ROȘU	RED	PS11, PS12
D118	VANILIE	VANILLA	PS14, PS12
D120	ROZ DESCHIS	LIGHT PINK	PS11
D122	VIZON	MINK	PS14
D123	GRI DESCHIS	LIGHT GRAY	PS14, PS12
D125	ROZ	PINK	PS11
D126	CAPUCCINO	CAPPUCCINO	PS14, PS12
D129	ALB FRONT	FRONT WHITE	PS14, PS12
D133	GALBEN	YELLOW	PS11
D134	VERDE PASTEL	PASTEL GREEN	PS11
D137	VIOLET ÎNCHIS	DARK VIOLET	PS11
D138	LILA	LILA	PS11
D143	ANTRACIT	ANTHRACITE	PS14, PS12
D145	BRONZ	BRONZE	PS14
D147	MOV	PURPLE	PS14
D148	VIOLET	VIOLET	PS11
D149	MERLO	MERLO	PS14, PS12
D150	AQUA MARINE	AQUA MARINE	PS11
D152	ALB CORP	CORPUS WHITE	PS10
D158	GALAXY	GALAXY	PS11
D164	LUNA	LUNA	PS11
D165	BAZALT	BAZALT	PS11
D166	KUBA	KUBA	PS11
D171	JADE	JADE	PS13
D172	CORAL	CORAL	PS13
D173	GALBEN PASTEL	LIGHT YELLOW	PS13
D181	AZURIT	AZURITE	PS13
D300	GRI ALB	WHITE GRAY	PS14
D301	ARGINTIU	SILVER	PS11, PS12
D302	CREM	BUTTERMILK	PS13
D303	ALBASTRU PARADIS	BLUE HEAVEN	PS13
D304	VERDE FISTIC	PISTACHIO GREEN	PS13

FANTEZIE / FANTASY

COD DECOR	RO	EN	STRUCTURA
F238	TREND GRI	GRAY TREND	PS11
F239	TREND BEJ	BEIGE TREND	PS11
F242	FLOARE	FLOWER	PS10

vision²⁰¹⁵

DECORURI DE LEMN WOOD DECORS



A 316

WENGE NAIROBI | NAIROBI WENGE



A 319

ARTAR | MAPLE



A 333

BERGAMA | BERGAMA



A 353

TEAK | TEAK



A 354

BOSFOR | BOSFOR



A 356

ZEBRANO CLASIC | CLASSIC ZEBRANO



A 357

BRAD | SPRUCE



A 359

VIŞIN | MORELLO CHERRY



A 373

NUC LATIN | LATIN WALNUT



A 379

BAMBUS | BAMBOO



A 380

SAMBA | SAMBA



A 391

SMEREKAND AURIU | GOLDEN SEMERKAND



A 392

SMEREKAND ARGINTIU | SILVER SEMERKAND



A 394

ZEBRANO DESCHIS | LIGHT ZEBRANO



A 395

CORDOBA | CORDOBA



A 396

CARMEN | CARMEN



A 398

NUC ITALIAN | ITALIAN WALNUT



A 400

ZEBRANO ÎNCHIS | DARK ZEBRANO



A 411

SAKARYA | SAKARYA



A 414

STEJAR ANTRACIT | ANTHRACITE OAK



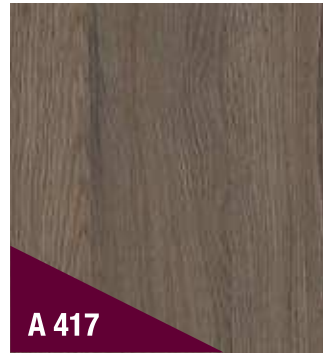
A 415

BIANCO | BIANCO



A 416

NEVADA | NEVADA



A 417

HAVANA | HAVANA



A 418

SAFIR DESCHIS | LIGHT SAPHIRE



A 419

SAFIR ÎNCHIS | DARK SAPHIRE



A 423

SAN REMO | SAN REMO



A 429

ETNA | ETNA



A 431

MONZA | MONZA



A 433

EVORA | EVORA



A 439

IBIZA | IBIZA



A 800

CIREȘ | CHERRY



A 801

CIREȘ OXFORD | OXFORD CHERRY



A 802

FAG DESCHIS | SAMERBERG BEECH



A 803

ARIN | ALDER



A 804

STEJAR SONOMA | SONOMA OAK



A 805

STEJAR CANTERBURY | CANTERBURY OAK



A 806

STEJAR DESCHIS | MARBURG OAK



A 807

PRUN | WALLIS PLUM



A 808

STEJAR GRI | WINDSOR OAK



A 809

SALCÂM DESCHIS | MOLDAU ACACIA



A 810

CIREȘ MORGANA | MORGANA CHERRY



A 811

NUC AIDA | AIDA WALNUT



A 812

FLEEDWOOD | FLEEDWOOD



A 814

STEJAR AURIU | GOLDEN OAK



A 815

PIN TOSCA | TOSCA PINE



A 816

ARIN ONTANO | ONTANO ALDER



A 817

WENGE | YORKSHIRE OAK



A 818

FAG | BAVARIAN BEECH



A 819

STEJAR NATUR | MIAMI OAK



A 820

STEJAR RIFT | RIFT OAK



A 821

GORUN | CHAMPAGNER OAK



A 822

NUC ADRIA | ADRIA WALNUT



A 823

PIN CARRIZO | CARRIZO PINE



A 824

STEJAR RUSTIC | LANDINO OAK



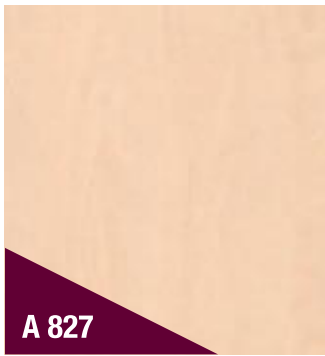
A 825

NUC CARME | CARME WALNUT



A 826

PIN LARICO | LARICO PINE



A 827

MESTEACĂŢN | BIRCH



A 829

STEJAR PERRIER DESCHIS | LIGHT PERRIER OAK



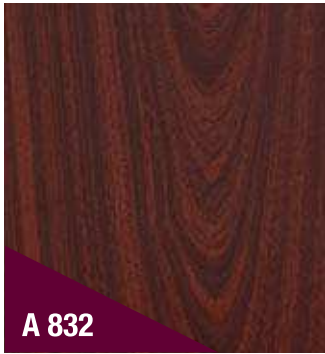
A 830

STEJAR PERRIER ÎNCHIS | DARK PERRIER OAK



A 831

STEJAR CANTORI | CANTORI OAK



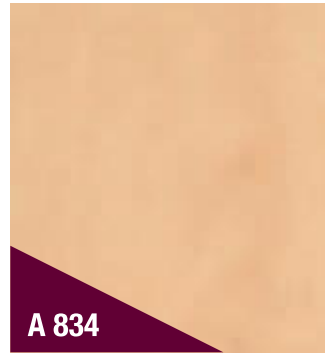
A 832

MAHON | MAHOGANY



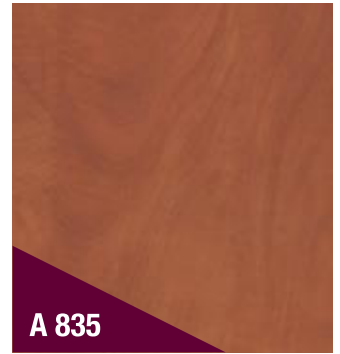
A 833

STEJAR GRANDE | GRANDE OAK



A 834

PĂR SĂLBATIC DESCHIS | LIGHT WILD PEAR



A 835

PĂR SĂLBATIC | WILD PEAR



A 836

FAG CAFÉ | SPREE BEECH



A 838

NERO | NERO



A 839

LARICE CREM | CRÈME LARCH



A 840

STEJAR MAGIC | MAGIC OAK



A 841

TEAK CAMARO | CAMARO TEAK



A 842

STEJAR SONOMA DESCHIS | LIGHT SONOMA OAK



A 843

LARICE IDA | IDA LARCH



A 844

LARICE IDA ÎNCHIS | DARK IDA LARCH



A 845

ULM | ELM



A 846

FAG CORVARA | CORVARA BEECH



A 847

STEJAR ANTICHIZAT | CANYON OAK



A 859

FAG VICTORIA | VICTORIA BEECH



A 860

STEJAT KORONA | KORONA OAK



A 865

STEJAR SHERWOOD | SHERWOOD OAK



A 866

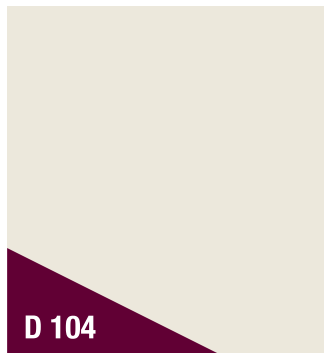
STEJAR SONOMA ÎNCHIS | DARK SONOMA OAK

CULORI UNI UNI COLORS



D 102

BEJ | BEIGE



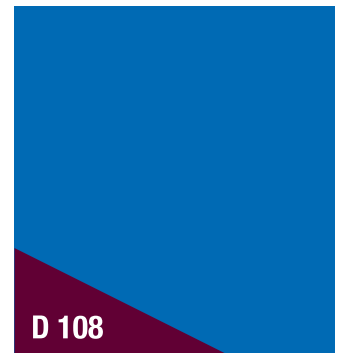
D 104

FILDEȘ | IVORY



D 107

NEGRU | BLACK



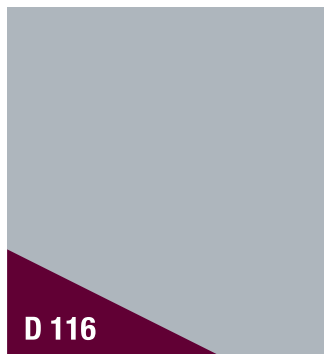
D 108

ALBASTRU | BLUE



D 114

PORTOCALIU | ORANGE



D 116

GRI METALIC | METALLIC GRAY



D 117

ROȘU | RED



D 118

VANILIE | VANILLA



D 120

ROZ DESCHIS | LIGHT PINK



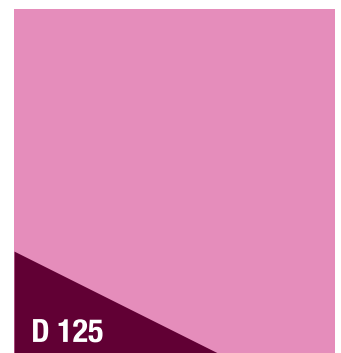
D 122

VIZON | MINK



D 123

GRI DESCHIS | LIGHT GRAY



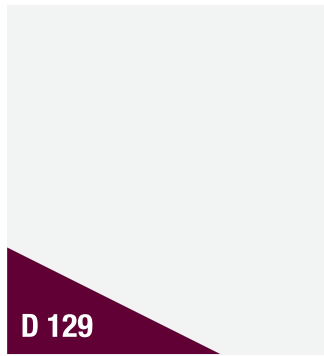
D 125

ROZ | PINK



D 126

CAPPUCCINO | CAPPUCCINO



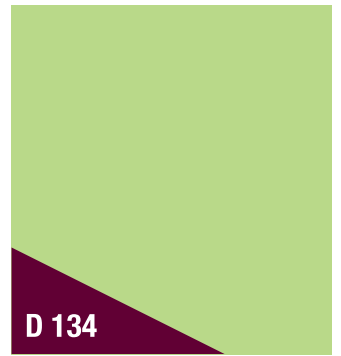
D 129

ALB FRONT | FRONT WHITE



D 133

GALBEN | YELLOW



D 134

VERDE PASTEL | PASTEL GREEN



D 137

VIOLET ÎNCHIS | DARK VIOLET



D 138

LILA | LILA



D 143

ANTRACIT | ANTHRACITE



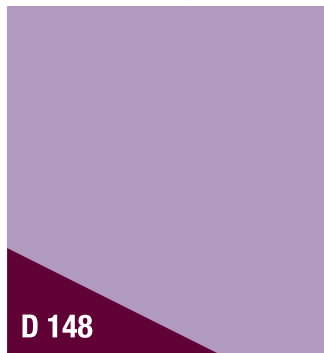
D 145

BRONZ | BRONZE



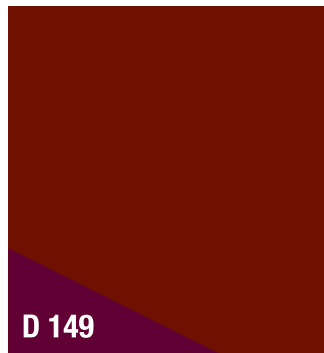
D 147

MOV | PURPLE



D 148

VIOLET | VIOLET



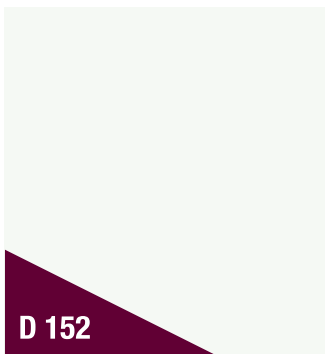
D 149

MERLO | MERLO



D 150

AQUA MARINE | AQUA MARINE



D 152

ALB CORP | CORPUS WHITE



D 158

GALAXY | GALAXY



D 164

LUNA | LUNA



D 165

BAZALT | BAZALT



D 166

KUBA | KUBA



D 171

JADE | JADE



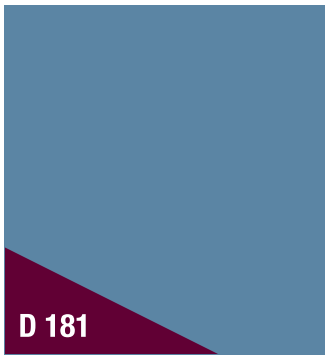
D 172

CORAL | CORAL



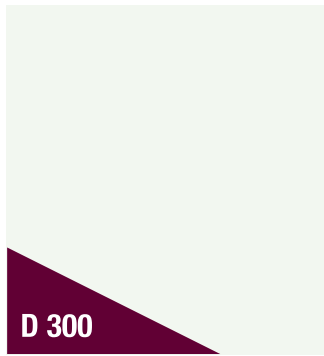
D 173

GALBEN PASTEL | LIGHT YELLOW



D 181

AZURIT | AZURITE



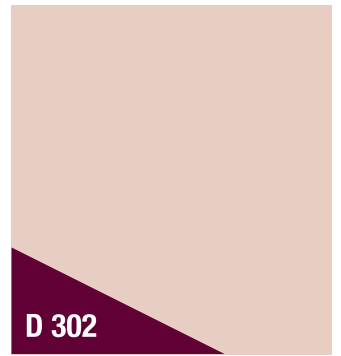
D 300

GRI ALB | WHITE GRAY



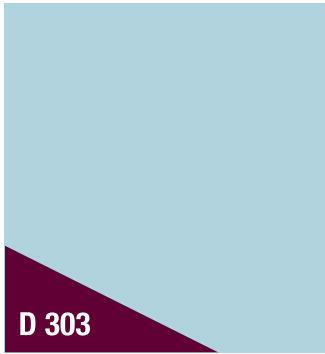
D 301

ARGINTIU | SILVER



D 302

CREM | BUTTERMILK



D 303

ALBASTRU PARADIS | BLUE HEAVEN



D 304

VERDE FISTIC | GREEN PISTACHIO

DECORURI FANTEZIE FANTASY DECORS



F 238

TREND GRI | GRAY TREND



F 239

TREND BEJ | BEIGE TREND



F 242

FLOARE | FLOWER

STRUCTURI STRUCTURES



PS 10
MATĂ | SMOOTH



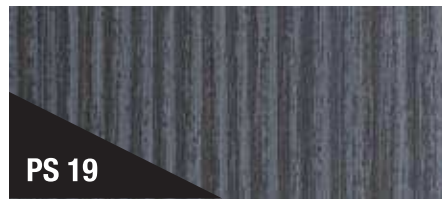
PS 11
BIROU | OFFICE



PS 14
PERLATĂ | PEARL



PS 17
LEMN | WOOD FINISH



PS 19
FREZE | FREZE



PS 13
SUPER MATĂ | SUPERMAT

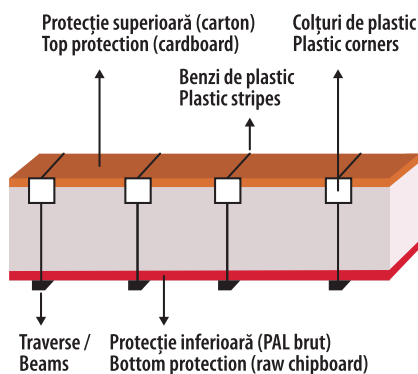


PS 12
LUCIOASĂ | HIGH GLOSS

FIȘĂ TEHNICĂ pentru PAL MELAMINAT P2 E1 / TECHNICAL SHEET for MELAMINE-FACED CHIPBOARD P2 E1 Standard de cerințe EN - 14322; EN - 312 / Requirement standard EN - 14322 ; EN - 312

CARACTERISTICI GENERALE ȘI PROPRIETĂȚI MECANICE / GENERAL CHARACTERISTICS and MECHANICAL PROPERTIES		METODA DE TESTARE / TEST METHOD	UNITATEA DE MĂSURĂ / UNIT	CERINȚE / REQUIREMENTS
Toleranțe la dimensiuni nominale / Tolerances on nominal dimensions	Grosime / Thickness	EN 324 - 1	mm	$\pm 0,3 \leq 20$ mm $\pm 0,5 > 20$ mm
	Lungime și lățime / Length and Width	EN 324 - 1	mm	± 5
Platitudine / Flatness		EN 14323 / EN 438 - 2	mm	≤ 2
Toleranța perpendicularității / Squareness tolerance		EN 324 - 2	mm/m	2
Conținutul de umiditate / Moisture content		EN 322	%	5 - 13 %
Defecte de suprafață / Surface defects		EN 14323 / EN 438 - 2	mm ² /m ² mm/m ²	defecte punctiforme / points ≤ 2 erori longitudinale / length ≤ 20
Rezistență la zgâriere / Resistance to scratching		EN 14323 / EN 438 - 2	Grad	$\geq 1,5$
Rezistență la pătare / Resistance to staining		EN 14323 / EN 438 - 2	Grad	≥ 3
Rezistență la crăpare / Resistance to cracking		EN 14323 / EN 438 - 2	N/mm ²	≥ 3
Eliberare de formaldehidă - Clasa E1 / Formaldehyde release - Class E1		EN 717 - 2	mg/m ³ h	$\leq 3,5$ sau / or ≤ 5 - în primele 3 zile de la data producției / in first 3 days after production

DETALII AMBALARE / PACKING DETAILS



PAL MELAMINAT / MELAMINE - FACED CHIPBOARD

Format standard / Standard Format 2800x2070 mm

Grosime / Thickness (mm)	Plăci / Pachet Boards / Pack	m ³ / Pachet cbm/Pack	m ² / Pachet sqm/Pack
8	26	1.21	150.7
12	26	1.81	150.7
16	26	2.41	150.7
18	24	2.50	139.1
22	23	2.93	133.3
25	20	2.90	115.9
28	18	2.92	104.3
30	17	2.96	98.5

	PAL MELAMINAT / MELAMINE FACED CHIPBOARD "VISION"	BANDĂ CANT / EDGE BAND "RAUKANTEX"	BANDĂ CANT / EDGE BAND	BANDĂ CANT / EDGE BAND	BANDĂ CANT / EDGE BAND
	COD DECOR / DECOR CODE STRUCTURA / STRUCTURES	NUMĂR DECOR / DECOR NUMBER	NUMĂR DECOR / DECOR NUMBER	NUMĂR DECOR / DECOR NUMBER	NUMĂR DECOR / DECOR NUMBER
1	A316, PS11	7974	HD 282227	533	807650
2	A319, PS17	5349	HD 264014	503	807710
3	A333, PS17	7846	HD 280544	530	803151
4	A353, PS17	799E	HD 24354	550	807620
5	A354, PS19	758W	HD 244272	555	803290
6	A356, PS11	641W	HD 289775	583	807670
7	A357, PS19	1043W	HD 251474	575	807970
8	A359, PS17	4187	HD 28775	529	807200
9	A373, PS11	771W	HD 283031	689	803420
10	A379, PS11	1318W	HD 282715	682	807380
11	A380, PS11	340V	HD 287902	692	805610
12	A391, PS19	063L	HD 29391	1066	807430
13	A392, PS19	058T	HD 29392	679	807430
14	A394, PS19	063T	HD 298566	918	805710
15	A395, PS19	2021W	HD 241377	965	808890
16	A396, PS19	1440W	HD 242609	872	808790
17	A398, PS17	1056W	HD 288339	956	803730
18	A400, PS19	695V	HD 283005	905	807610
19	A411, PS19	972W	HD 26411	1149	807400
20	A414, PS19	888W	HD 248718	1012	807740
21	A415, PS19	2060W	HD 293078	512	803280
22	A416, PS11	1522W	HD 288953	842	803730
23	A417, PS13	2542W	HD 273223	969	
24	A418, PS11	1229W	HD 242337	966	808900
25	A419, PS11	1297W	HD 29419	967	807390
26	A423, PS13	2519W	HD 28423	1130	808880
27	A429, PS13	2721W	HD 262578	1335	
28	A431, PS13	2166Z	HD 253766	1336	
29	A433, PS11	2512E	HD 268069	1238	
30	A439, PS11	2060W	HD 242542	1337	
31	A800, PS17	7042	HD 22344	543	808280
32	A801, PS11	1085W	HD 220340	996	802810
33	A802, PS17	4759	HD 211639	997	807850
34	A803, PS17	7304	HD 230685	817	802340
35	A804, PS17	2315W	HD 241145	980	807220
36	A805, PS17	2312W	HD 24805	981	806860
37	A806, PS11	406W	HD 241394	982	807910
38	A807, PS11	897E	HD 22807	983	806810
39	A808, PS11	814W	HD 24808	990	807640
40	A809, PS11	926V	HD 262040	984	806930
41	A810, PS11	327W	HD 221615	541	802000
42	A811, PS11	339W	HD 283704	991	805310
43	A812, PS17	2313W	HD 29812	840	807230
44	A814, PS17	2000W	HD 283058	839	806680
45	A815, PS17	6897	HD 259320	1282	808000
46	A816, PS10	5287	HD 23352	1283	807680
47	A817, PS11	7824	HD 28854	988	807600
48	A818, PS17	7088	HD 211586	998	802282
49	A819, PS17	7128	HD 24740	867	800720
50	A820, PS19	2311W	HD 246837	644	802300
51	A821, PS17	4266	HD 24327	643	806180
52	A822, PS11	339W	HD 289757	985	805410
53	A823, PS19	755V	HD 291428	599	807570
54	A824, PS17	532W	HD 24326	986	807630
55	A825, PS17	1319W	HD 280544	816	804155
56	A826, PS19	8818	HD 29583	987	801512
57	A827, PS11	319W	HD 271350	994	807450
58	A829, PS19	1693W	HD 298361	814	807560
59	A830, PS19	1692W	HD 298362	815	807790
60	A831, PS17	352W	HD 281137	989	804240

	PAL MELAMINAT / MELAMINE FACED CHIPBOARD "VISION"	BANDĂ CANT / EDGE BAND "RAUKANTEX"	BANDĂ CANT / EDGE BAND	BANDĂ CANT / EDGE BAND	BANDĂ CANT / EDGE BAND
	COD DECOR / DECOR CODE STRUCTURA / STRUCTURES	NUMĂR DECOR / DECOR NUMBER	NUMĂR DECOR / DECOR NUMBER	NUMĂR DECOR / DECOR NUMBER	NUMĂR DECOR / DECOR NUMBER
61	A832, PS17	4499	HD 28776	813	808050
62	A833, PS17	7217	HD 241342	542	807140
63	A834, PS11	8673	HD 221764	1284	802940
64	A835, PS11	058V	HD 221951	995	801260
65	A836, PS11	011W	HD 211599	999	804060
66	A838, PS19	1108W	HD 293082	1169	803290
67	A839, PS19	2534W	HD 291424	1170	805010
68	A840, PS11	075W	HD 289763	1142	
69	A841, PS19	2675W	HD 244262	1280	807990
70	A842, PS19	1870W	HD 241145	1285	806690
71	A843, PS13	1309W	HD 292298	1286	808970
72	A844, PS13	859E	HD 25844	1287	808910
73	A845, PS13	2215W	HD 253191	1281	808930
74	A846, PS11	1191E	HD 217707	1288	804650
75	A847, PS19	2520W	HD 244141	1226	808330
76	A859, PS13	3098E	HD 212210	1334	
77	A860, PS13	372W	HD 28008	1333	805451
78	A865, PS19	2205W	HD 241145	1332	809190
79	A866, PS19	2402W	HD 243215	1331	807430
80	D102, PS14	14481	HU 12520	034	800770
81	D104, PS11	78286	HU 12351	054	800650
82	D107, PS14	601	HU 19015	016	807660
83	D108, PS11	61498	HU 15514	068	808040
84	D114, PS11	13214	HU 140230	024	802320
85	D116, PS14	4632	HD 29881	538	802621
86	D117, PS11	76525	HU 13321	098	804310
87	D118, PS14	77037	HU 12514	049	802860
88	D120, PS11	74393	HU 13120	096	804510
89	D122, PS14	94564	HU 121343	091	803580
90	D123, PS14	98463	HU 17014	013	803820
91	D125, PS14	76956	HU 13125	071	808990
92	D126, PS14	77028	HU 188533	100	806960
93	D129, PS14	11371	HU 10482	001	809070
94	D133, PS11	76962	HU 117169	104	800580
95	D134, PS11	77162	HU 16630	108	803930
96	D137, PS11	78248	HU 15137	085	808860
97	D138, PS11	74327	HU 158536	092	809040
98	D143, PS14	97556	HU 170231	058	807480
99	D145, PS14	66472	HU 182512	055	807070
100	D147, PS14	15701	HU 151410	069	
101	D148, PS11	79039	HU 15148	060	809020
102	D149, PS14	95648	HU 130149	067	804130
103	D150, PS11	77105	HU 15524	066	803480
104	D152, PS10	62439	HU 10113	119	809080
105	D158, PS11	2533W	HD 29158	1132	
106	D164, PS11	68005		248	808850
107	D165, PS11	78114	HU 17727	249	
108	D166, PS11	2394W	HU 18748	250	
109	D171, PS13	69163	HU 16171	251	
110	D172, PS13	140205	HU 131172	252	
111	D173, PS13	140203	HU 11751	253	
112	D181, PS13	140204	HU 15181	254	803990
113	D300, PS14	11372	HU 17775	231	803160
114	D301, PS11	364W	HD 29501	1060	807550
115	D302, PS13	62903	HU 13302	232	
116	D303, PS13	140120	HU 15303	233	
117	D304, PS13	140121	HU 16617	234	809010
118	F238, PS11	1416W	HD 298435	940	
119	F239, PS11	2314W	HD 294435	939	
120	F242, PS10	799W	HU 10980	551	