

PRODUCT CLASS

Pre-impregnated finish foil.

DESCRIPTION

This product is made by using special pre-impregnated light papers, which are subsequently printed and lacquered. It represents an advantageous alternative to the standard finish foil (post-impregnated).

Several surface finishings can be obtained through the lacquering process: from the high gloss to the extra-matt with "touch" effect finishing. The range of products includes also papers with particular characteristics of surface resistance against chemical agents (for example PRINT R and D) and against the wear for abrasion (for example PRINT HR). Two lacquerable versions are available (PRINT VE and VEs). The characteristic of PRINT TOUCH is the particular tridimensional effect that gives a tactile sensation like natural wood.

ADVANTAGES

- High quality finishing lacquers with higher chemical and mechanical resistance;
- E1 class finishings at low emission of formaldehyde are possible;
- Possibility of reaching various glossy levels;
- Can be used on several kinds of plants (however we recommend the customer to test in advance).

APPLICATIONS

Finish Print is a very flexible product, suitable for covering:

- Chipboards, MDF and plywoods;
- Backs and flat surfaces;
- Shaped surfaces and profiles;
- Internal furnishings of campers and caravans.

Example of application:

- | | |
|----------------------|----------------------------|
| - Plant temperature: | 50° ÷ 100°C |
| - Pressure: | 0,5 ÷ 3 kg/cm ² |
| - Pressing time: | 1" ÷ 4" |

AVAILABLE SIZES

- Grammages of the finished product : about 65 - 80 g/m² according to the type;
- Supplied in rolls with standard widths: 155,188, 212 and 220 cm;
- Rolls length from 1000 to 2500 linear metres.

TECHNICAL CHARACTERISTICS

The technical characteristics are summarized in the table (see following page).

PACKAGING AND STORAGE

Every FINISH PRINT paper type is available in rolls, protected by shock-proof packaging. The rolls can be vertically or horizontally packed on pallet. FINISH PRINT papers' shelf-life is six months, once properly stocked in their original packaging and in proper environmental conditions (relative humidity 55 - 60% and temperature of 10 - 25°C).

NOTES

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TECHNICAL DATA

Pre-impregnated finish foil.

TECHNICAL PARAMETERS ⁽¹⁾				Not finished product to be lacquered	Not-finished product to be lacquered with high level of adhesion	Finished product with standard lacquering	Finished product with chemical embossing	Finished product with good liquids resistance	Finished product with excellent liquids resistance	Finished product with good abrasion resistance and excellent liquids resistance	Finish foil with trimdimensional finishing
PROPERTIES		Test method	measures/ class/ level	PRINT VE ⁽²⁾	PRINT VE _s ⁽²⁾	PRINT C	PRINT SP	PRINT R	PRINT D	PRINT HR	PRINT TOUCH
1	Grammages	Acc. to DIN EN ISO 536	g/m ²	65 ÷ 70	65 ÷ 70	65 ÷ 70	65 ÷ 70	65 ÷ 70	75 ÷ 80	75 ÷ 80	70 ÷ 75
2	Gloss level	Acc. to EN ISO 2813	UG (60°)	-	-	3 ÷ 7 15 ÷ 25	15 ÷ 20 25 ÷ 35	3 ÷ 7 15 ÷ 25	3 ÷ 7 15 ÷ 25 80 ÷ 90	3 ÷ 7 15 ÷ 25 80 ÷ 90	bright/ dull
3	Resistance to chemical agents	Acc. to IKEA IOS-MAT 0066	Class R4	no	no	no	no	ok	ok	ok	ok
			Class R2	no	no	no	no	no	ok	ok	ok
			Class R1	no	no	no	no	no	ok	ok	ok
			Class P1	no	no	no	no	no	ok	ok	ok
4.1	Abrasion resistance	(IP-WR-FP) Acc. to IHD-W-461	class	-	-	3	3	3	3	-	3
4.2	Abrasion resistance	(IP-WR-FP) Acc. to EN 438-2	rgv.	-	-	-	-	-	-	20 / 110 / 200 (3)	-
5	Scratch resistance	Acc. to UNI 9428	N	≥ 0.3	≥ 0.3	≥ 0.3	≥ 0.3	≥ 0.3	≥ 0.3	≥ 0.3	≥ 0.3
6	Light resistance	Acc. to EN ISO 4892-1 4892-2	level (blue scale)	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6
7	Formaldehyde emission	Acc. to UNI EN 717/2	mg/m2h	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5

⁽¹⁾ The data indicated in the table have to be considered purely indicative, because they are susceptible of variations according to the finishings and to the employed supports. This version cancels and replaces the previous version.

⁽²⁾ FINISH PRINT VE is not-finished product that needs to be lacquered by the customer; data shown refer to the product supplied by Confalonieri, not to the finished one obtained by the Customer after lacquering.

⁽³⁾ Indicative data.

PRODUCT CLASS

Finish foil (post-impregnated) suitable for calanders application.

DESCRIPTION

This product is obtained from printed or unicolour decorative papers impregnated with specific acryl- ic and ureic resins, that are opportune- ly modified, and subsequently coated with finishing lacquers. Through the lacquering process, various surface finishings can be realized: from the extra-glossy to the super-matt with "touch" effect or with optical pore effect. FINISH CAL is available also in the lacquerable, only impreg- nated and self-adhesive variations. The lacquering with polyester - or polyurethane based products is allowed (however we recommend to test first).

ADVANTAGES

- Wider range of decors;
- E1 class finishings at low emission of formaldehyde are possible;
- Appearances like real wood;
- High quality finishing lacquers with high chemical resistance;
- Possibility to get several gloss levels;
- Applicability on several kinds of plants (however we recommend to test in advance).

APPLICATIONS

FINISH CAL is a product that is particularly suitable for calandering on of:

- Chipboards, MDF and plywoods;
- Backs and flat surfaces;
- Panels for lacquered furniture.

Example of application with thermosetting glues:

- | | |
|----------------------|---------------------------|
| - Plant temperature: | 120° ÷ 180°C |
| - Pressing: | from 5 kg/cm ² |
| - Pressing time: | 10" ÷ 30" |

Example of application with thermo-melting glues:

- | | |
|----------------------|----------------------------|
| - Plant temperature: | 70° ÷ 100°C |
| - Pressing: | 0,5 ÷ 5 kg/cm ² |
| - Pressing time: | 5" ÷ 10" |

AVAILABLE SIZES

- Raw grammages: 60 gr/m² and more;
- Supplied on rolls: standard widths 127, 132, 188, 215 and 220 cm;
- The product is supplied on rolls with a diameter from 800 to 1500 linear meters.

TECHNICAL CHARACTERISTICS

The FINISH CAL technical characteristics are summarized in the table (see following page).

PACKAGING AND STORAGE

FINISH CAL paper is available in rolls, protected by shock-proof packaging. The rolls are packed vertically and horizontally on pallets. The shelf life of FINISH CAL papers is of six months (three months for self-adhesive types), once stored in their original packaging and at prop- er environmental conditions (relative humidity 55-60% and temperature of 10-25°C).

NOTES

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TECHNICAL DATA

Post-impregnated finish foil for application with calenders.

TECHNICAL PARAMETERS ⁽¹⁾				Semi-finished product to be lacquered	Finished product with optical pore effect	Self-adhesive finished product with optical pore effect	Finished product	Self-adhesive, finished product	Finished product, with higher resistance to liquids
PROPERTIES		Test method	measure/ class/ level	CAL VE ⁽²⁾	CAL SP	CAL SP M	CAL C	CAL C M	CAL R
1	Grammages	Acc. to DIN EN ISO 536	g/m ²	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60
2	Gloss level	Acc. to EN ISO 2813	UG (60°)	15 ÷ 20 25 ÷ 35	15 ÷ 20 25 ÷ 35	15 ÷ 20 25 ÷ 35	15 ÷ 20 25 ÷ 35	15 ÷ 20 25 ÷ 35	15 ÷ 20 25 ÷ 35
3	Resistance to chemical agents	Acc. to IKEA IOS-MAT 0066	Class R4	-	-	-	-	-	In Conf. R4
			Class R2	-	-	-	-	-	-
			Class R1	-	-	-	-	-	-
			Class P1	-	-	-	-	-	-
4	Abrasion resistance	Acc. to IHD W-461 (06/2009)	Class	-	3	3	3	3	3
5	Scratch resistance	Acc. to UNI 9428	N	-	≥ 0.6	≥ 0.6	≥ 0.6	≥ 0.6	≥ 0.6
6	Light resistance	Acc. to EN ISO 4892-1 4892-2	Level (blue scale)	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6

⁽¹⁾ The data mentioned in the table are to be considered purely indicative, because they are subject to change according to the finishings and to the used supports

⁽²⁾ FINISH CAL VE is an semi-finished product that needs to be lacquered by the customer; data shown refer to the product supplied by Confalonieri, not to the finished one obtained by the Customer after lacquering.

PRODUCT CLASS

Finish foil (post-impregnated).

DESCRIPTION

FINISH PLAC is obtained from (printed or unicolour) decorative papers, impregnated with specific acrylic and ureic resins, that are opportunely modified and subsequently coated with finishing lacquers. Thanks to the lacquering process, various surface finishings can be realized: from the extra-glossy to the super-matt with "touch" effect or with optical pore effect. FINISH PLAC is available also in the lacquerable, only impregnated and self-adhesive variations. The "only impregnated" type can be used as balancing papers or tupan, lacquerable with polyester- or polyurethane-based products (we recommend to test first).

ADVANTAGES

- Wider range of decors;
- E1 class finishings at low emission of formaldehyde are possible;
- Appearances aspect like real wood;
- High quality finishing lacquers with high chemical resistance;
- Possibility to get several gloss levels;
- Applicability on several kinds of plants (however we recommend to test in advance).

APPLICATIONS

FINISH PLAC is a product suitable for the covering of:

- Chipboards, MdF and plywoods;
- Backs and flat surfaces;
- Panels for lacquered furniture.

Example of application with thermosetting glues:

- | | |
|----------------------|---------------------------|
| - Plant temperature: | 120° ÷ 180°C |
| - Pressing: | from 5 kg/cm ² |
| - Pressing time: | 10" ÷ 30" |

Example of application with thermo-melting glues:

- | | |
|----------------------|----------------------------|
| - Plant temperature: | 70° ÷ 100°C |
| - Pressing: | 0,5 ÷ 5 kg/cm ² |
| - Pressing time: | 5" ÷ 10" |

AVAILABLE SIZES

- Raw grammages from 60 g/m²;
- Supplied in rolls: standard widths 127, 132, 155, 188, 215 and 220 cm;
- The product is supplied on rolls with a diameter between 800 and 1500 mm.

TECHNICAL CHARACTERISTICS

The FINISH PLAC technical characteristics are summarized in the table (see following page).

PACKAGING AND STORAGE

FINISH PLAC paper is available in rolls, protected by shock-proof packaging. The rolls are packed vertically and horizontally on pallets. The shelf life is of six months, if kept in their original packing and at correct environmental conditions (relative humidity 55-60% and temperature 10-25°C).

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TECHNICAL DATA

Post-impregnated finish foil.

TECHNICAL PARAMETERS ⁽¹⁾				Semi-finished product to be lacquered	Semi-finished product (only impregnated)	Self-adhesive semi-finished product (only impregnated)	Finished product with optical pore effect	Self-adhesive finished product with optical pore effect	Finished product with standard lacquering	Self-adhesive finished product with standard lacquering	Finished product with higher resistance to liquids
PROPERTIES		Test method	measures/ class/ level	PLAC VE ⁽²⁾	PLAC I	PLAC I M	PLAC SP	PLAC SP M	PLAC C	PLAC C R	PLAC R
1	Grammages	Acc. to DIN EN ISO 536	g/m ²	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60
2	Gloss level	Acc. to EN ISO 2813	UG (60°)	15 ÷ 20 25 ÷ 35	-	-	15 ÷ 20 25 ÷ 35	15 ÷ 20 25 ÷ 35	15 ÷ 20 25 ÷ 35	15 ÷ 20 25 ÷ 35	15 ÷ 20 25 ÷ 35
3	Resistance to chemical agents	Acc. to IKEA IOS-MAT 0066	Class R4	-	-	-	-	-	-	-	In Conf. R4
			Class R2	-	-	-	-	-	-	-	-
			Class R1	-	-	-	-	-	-	-	-
			Class P1	-	-	-	-	-	-	-	-
4	Abrasion resistance	Acc. to IHD-W-461 (06/2009)	class	-	-	-	3	3	3	3	3
5	Scratch resistance	Acc. to UNI 9428	N	-	-	-	≥ 0.6	≥ 0.6	≥ 0.6	≥ 0.6	≥ 0.6
6	Light resistance	Acc. to EN ISO 4892-1 4892-2	Level (blue scale)	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6

⁽¹⁾ The data mentioned in the table are to be considered purely indicative, because they are subject to change according to the finishings and to the used supports

⁽²⁾ FINISH CAL VE is a semi-finished product that needs to be lacquered by the customer data shown refers to the product supplied by Confalonieri, not to the finished one obtained by the Customer after lacquering.

PRODUCT CLASS

Finish foil (post-impregnated) for profiles.

DESCRIPTION

This product is obtained from printed or unicolour decorative papers, impregnated with specific acrylic and ureic resins, duly modified that give the product a higher flexibility. Through the lacquering process, various surface finishings can be produced: from the extra-glossy to the super-matt with "touch" effect or with optical pore effect. The FINISH FLEX is available also in lacquerable, only impregnated and self adhesive versions. The lacquering with the polyester or polyurethane based product is possible (we recommend to test first).

ADVANTAGES

- Wider range of decors;
- E1 class finishings at low emission of formaldehyde are possible;
- Appearances aspect like real wood;
- High quality finishing lacquers with high chemical resistance;
- Possibility of realizing various glossy levels;
- Applicability with several kinds of plants (however we recommend to test first).

APPLICATIONS

FINISH FLEX is a highly flexible product that is suitable for the covering of shaped surfaces and profiles.

Applications with thermosetting glues:

- | | |
|----------------------|---------------------------|
| - Plant temperature: | 120° ÷ 150°C |
| - Pressing: | 5 ÷ 10 kg/cm ² |
| - Pressing time: | 10" ÷ 30" |

Applications with thermo-melting glues:

- | | |
|----------------------|----------------------------|
| - Plant temperature: | 70° ÷ 100°C |
| - Pressing: | 0,5 ÷ 5 kg/cm ² |
| - Pressing time: | 5" ÷ 10" |

AVAILABLE SIZES

- Raw grammages from 60 g/m²;
- Supplied in rolls: standard widths 127, 132, 155, 188, 215 and 220 cm;
- The product is supplied in rolls with a diameter between 800 and 1500 linear meters.

TECHNICAL CHARACTERISTICS

FINISH FLEX technical characteristics are summarized in the table (see following page).

PACKAGING AND STORAGE

Every FINISH FLEX paper type is available in rolls, protected by shock-proof packaging. The rolls are available with vertical and horizontal packaging on pallet. FINISH FLEX shelf life is of six months, if kept in their original packaging and at correct environmental conditions (relative humidity 55-60% and temperature 10-25°C).

NOTES

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TECHNICAL DATA

Post-impregnated finish foil for profiles.

TECHNICAL PARAMETERS ⁽¹⁾				Semi-finished product to be lacquered	Semi-finished product (only impregnated)	Finished product with optical pore effect	Finished product	Finished product, with good resistance to liquids
PROPERTIES		Test method	measure/ class/ level	FLEX VE ⁽²⁾	FLEX I	FLEX SP	FLEX C	FLEX R
1	Grammages	Acc. to DIN EN ISO 536	g/m ²	≥ 60	≥ 60	≥ 60	≥ 60	≥ 60
2	Gloss level	Acc. to EN ISO 2813	UG (60°)	15 ÷ 20 25 ÷ 35	-	15 ÷ 20 25 ÷ 35	15 ÷ 20 25 ÷ 35	15 ÷ 20 25 ÷ 35
3	Resistance to chemical agents	Acc. to IKEA IOS-MAT 0066	Class R4	-	-	-	-	In conf. R4
			Class R2	-	-	-	-	-
			Class R1	-	-	-	-	-
			Class P1	-	-	-	-	-
4	Abrasion resistance	Acc. to IHD W-461 (06/2009)	Class	-	-	3	3	3
5	Scratch resistance	Acc. to UNI 9428	N	-	-	≥ 0.6	≥ 0.6	≥ 0.6
6	Light resistance	Acc. to EN ISO 4892-1 4892-2	level (blue scale)	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6

⁽¹⁾ The data indicated in the table have to be considered purely indicative, because they are susceptible of variation according to the finishings and to the employed supports. This sheet cancels and replaces the previous versions.

⁽²⁾ FINISH FLEX VE is an unfinished product which needs to be lacquered by the customer and so the data shown are related to the product supplied by Confalonieri, not to the finished one obtained by the customer after lacquering.

PRODUCT CLASS

Finish for edge-bandings of chipboards/profiles.

DESCRIPTION

This product is obtained from (printed or unicolour) high-grammage decorative papers, impregnated with specific acrylic and ureic resins, that are duly modified and subsequently coated with finishing lacquers. It is available in the standard (for plain surfaces), soft-forming and skirting (curved surfaces) versions. By the lacquering process, you can get various surface finishings: from the extra-glossy to the super-matt with "touch" effect or with chemical pore effect or with mechanical pore like quartz, light quartz, walnut or ash.

ADVANTAGES

- Improved capacity to level the defects of the panel;
- The flexible versions can be bent to a radius of 1 mm;
- Wider range of decors;
- Appaerances aspect of a real wood;
- Possibility to reach several gloss levels;
- Can be laminated with several kinds of plants; (however we recommend to test first).

APPLICATIONS

FINISH BORD is a product suitable for:

- Edge-banding for chipboard;
- Profiles for the doors industry;
- Shaped profiles.

Example of conditions with thermo-melting adhesive:

- | | |
|---|----------------------------|
| - Glue temperature in basin: | 180° ÷ 200°C |
| - Glue temperature on the roller: | 205° ÷ 225°C |
| - Glue quantity to lacquer: | 150 ÷ 250 g/m ² |
| - Temperature of the chipboard to glue: | 15°C |
| - Chipboard moisturg: | 8 ÷ 10% |
| - Pressure: | 3 ÷ 5 kg/cm ² |
| - Advancing time: | 15 ÷ 25 m/min |

AVAILABLE SIZES

- Raw grammages of the paper: 155, 180 and 220 g/m²;
- Supplied on rolls: standard width 196 cm;
- Roll length from 400 to 500 linear metres.

TECHNICAL CHARACTERISTICS

The FINISH BORD technical characteristics are summarized in the table (see following page).

PACKAGING AND STORAGE

Every FINISH BORD paper type is available on rolls, protected by shock-proof material. The rolls are available with a vertical and horizontal packaging on pallet. FINISH BORD shelf life is of six months, once kept in their original packaging and at correct environmental conditions (relative humidity 55-60% and temperature 10-25°C).

NOTES

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TECHNICAL DATA

Finish for edging

TECHNICAL PARAMETERS ⁽¹⁾				BORD STANDARD				BORD SOFTFORMING		BORD FOR SKIRTING	
				Semi-rigid semi-finished product to be lacquered	Semi-rigid product with finish that cannot be lacquered	Semi-rigid finished product with chemical pore effect	Semi-rigid product impregnated only with adhesive layer	Flexible finished product (bending radius till to 3 mm)	Flexible finished product with chemical pore effect (bending radius till to 3 mm)	Flexible finished product (bending radius till to 1 mm)	Flexible finished product with chemical pore effect (bending radius till to 1 mm)
PROPERTIES		Test method	measure/class/level	STANDARD VE ⁽²⁾	STANDARD C	STANDARD SP	STANDARD IM	SOFT FORMING C	SOFT FORMING SP	BORD FOR SKIRTING C	BORD FOR SKIRTING SP
1	Initial gramage	Acc. to DIN EN ISO 536	g/m ²	155 ÷ 220	155 ÷ 220	155 ÷ 220	155 ÷ 220	155 ÷ 220	155 ÷ 220	155 ÷ 220	155 ÷ 220
2	Thickness	-	mm	0.28 ÷ 0.40	0.28 ÷ 0.40	0.28 ÷ 0.40	0.28 ÷ 0.40	0.28 ÷ 0.40	0.28 ÷ 0.40	0.28 ÷ 0.40	0.28 ÷ 0.40
3	Gloss degree	Acc. to EN ISO 2813	UG (60°)	15 ÷ 20 ÷ 35	15 ÷ 20 ÷ 35	15 ÷ 20 ÷ 35	15 ÷ 20 ÷ 35	15 ÷ 20 ÷ 35	15 ÷ 20 ÷ 35	15 ÷ 20 ÷ 35	15 ÷ 20 ÷ 35
4	Light resistance	Acc. to EN ISO 4892-1 4892-2	level (blue scale)	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6

⁽¹⁾ The data indicated in the table have to be considered purely indicative, because they are susceptible of variation according to the finishings and to the employed supports. This sheet cancels and replaces the previous versions

⁽²⁾ FINISH BORD VE is not-finished product that needs to be lacquered by the customer and so the data shown are related to the product supplied by Confalonieri, not to the finished one obtained by the Customer after lacquering.