THIN TOP

STANDARD, POST FORMABLE, POST FORMABLE AND ANTISTATIC,
POST FORMABLE AND ANTIBACTERICAL

PRODUCT CLASS
Standard and post formable CPL plastic laminate.

DESCRIPTION
The Thin Top is obtained by laminating a decorative paper with several layers of phenolic free support layers depending on the required thickness; the decorative paper is impregnated with amino-plastic resins.
Thin Top antistatic is characterized by the high laminate capacity to eliminate electrostatic charges, this is obtained by activating the melamine resin with specific substances.
For obtaining Thin Top antibacterial we use specific substances which have an authentic antibacterial action.

ADVANTAGES
- Melamine impregnation with high chemical and mechanical resistance;
- Possibility to produce all the range of thicknesses from 0,4 to 1,8 mm;
- Possibility to reproduce all the decors with all the finishing of the melamine-laminated chipboard;
- Possibility to post-form;
- Applicability with all kind of plants (however the customer is recommended to test in advance).

APPLICATIONS
Thin Top is a product particularly suitable for coating plain, vertical and horizontal surfaces, thanks to its post-forming property, it can be used to coat kitchen tops; it can be applied on chipboard, MDF and plywood using all standard gluing processes.
The Thin Top can be used with a decorative a thin layer of real aluminum available in several finishing or a décor printed with a digital technology.
Thin Top antistatic is used in all rooms in which electrostatic charges must be avoided.
Thin Top antibacterial is perfect for furnishing public places like hospitals, laboratories, public toilets, etc.
The product is suitable for all standard uses in interior furnishings. The product is not waterproof.
The Thin Top is suitable for the use in the naval field certified by LAPI S.p.A.; certificates 0987/MED-B/546 (form B) and 0987/MED-D/466 (form D).

APPLICATIONS WITH GLUES
The Thin Top can be applied with standard glue processes used in the lamination buisness (however the customer is recommended to test in advance).

SIZES
- Raw printed paper initial grammage 60 – 120 gr/sqm;
- Supplied in sheets of size: length 1.300 mm and width from 2.000 to 4.200 mm.

TECHNICAL CHARACTERISTICS
The technical characteristics are shown in the table n° 1.

PACKAGING AND STORAGE
The laminate Thin Top is supplied in sheets on pallets, which are wrapped with polyethylene and a shock-proof packaging. The stability of the laminate is assured for twelve months, if kept in its original packaging and in proper environmental conditions (temperature 10 – 25°C and relative humidity 50 – 60 %).

NOTES
The information contained in this document is based on our current knowledge and experience. However, it cannot be considered exhaustive, but purely indicative. It is recommended to test the products at your premises in advance and to report any non-conformities before proceeding with the production. Neodecortech S.p.A. cannot be considered liable for any damage deriving from the use of the abovementioned product.

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TECHNICAL DATA
Thin top, Thin top antistatic, Thin top antibacterical.

TECHNICAL PARAMETERS [1]				
PROPERTIES		**Test method**	**Unit/class/ level**	**Value**
1	**Thickness tollerance**	Acc. EN 438-2 / 16 § 5	mm	±0,10 mm for thickness 0,5 ≤ t ≤1,0 ±0,15 mm for thickness 1,0 < t ≤ 1,0
2	**Antibacterical activity[2]**	Acc. ISO 22196:2007	%	99,9 %
3	**Volumetric resistance[3]**	Acc. IEC 61340-4-1	Ohms	10^8 - 10^{11}
4	**Light resistance**	Acc. EN 438-2/16 § 27	blue wool scale	≥ 6
5	**Stains resistance**	Acc. EN 438-2/16 § 26	class	≥ 4
6	**Scratch resistance[4]**	Acc. EN 438-2/16 § 25	class	Smooth finish: ≥ 2 Textured finish: ≥ 3
7	**Abrasion resistance[5]**	Acc. EN 438-2/16 § 10	WR cycles WR cycles IP cycles	Plain colours: 250 Printed colours: 75 With overlay AC0: ≥ 150
8	**Formaldehyde emission**	Acc. ISO 12460-3:2015	mg/m² x h	0,3 - 0,4
8	**Dry heat resistance (160 °c)**	Acc. EN 438-2 / 16 § 16	mg/m² x h	≥ 4
9	**Wet heat resistance (100 °c)**	Acc. EN 438-2/16 § 18	degree	≥ 4
10	**Steam resistance**	Acc. EN 438-2/16 § 14	degree	≥ 4

[1] The checked data applying the methods established by the regulation UNI EN 438-2 can be different from the minimum requisites set by UNI en 438-3 for HPL laminates;
[2] The value is valid only for Thin Top antibacterial;
[3] The value is valid only for Thin Top antistatic;
[4] The scratch resistance is strongly influenced by the shade and by the surface finishing;
[5] The resistance to surface wear and tear can be better adding an OVERLAY.

SPECIFIC USE
A thin top in the version MED is suitable to the use in the naval field certified by LAPI SpA with reference to the certificates n° 0987/MED-B/546 (form B) and n° 0987/MED-D/466 according to the following criteria:

Average laminate density (gr/sqm)	**Thickness range (mm)**	**Test method**
From 769 to 2.031	0,6 - 1,5	FTP Code Annex 1 Part 2 (1996)

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