PRODUCT CLASS
Thermoplastic multi-layer product in PVC, phthalate free, for residential and commercial flooring use.

DESCRIPTION
The product consists of a thin film printed coupled on top to a transparent vinyl layer (wear layer) subsequently embossed and lacquered. PVC (polyvinyl chloride) combined with pulp, stabilizers, inert fillers, colored pigments and flame retardants improves its physical characteristics (heat resistance, strength and flexibility) and the aesthetic characteristics (color and light resistance)). The high coupling resistance is guaranteed by a special working process to avoid alterations of the physical characteristics of the layers. It is a material with good mechanical properties and resistance to wear, abrasion, aging, chemical agents and the attack of fungi and bacteria. It is water repellent and it is particularly resistant to fire, with high ignition temperatures and low flame spread.

ADVANTAGES
- Wider range of decors: (woodgrains, fancy designs, stones, etc.);
- Absence of formaldehyde emissions from the product as it is;
- Good thermal / acoustic insulation;
- Total impermeability to water;
- Use of water based inks for printing;
- Extreme flexibility;
- Good resistance to acids;
- Easy to clean;
- Sold with or without **primer** applied in the bottom side;

APPLICATIONS
It is typically used for the production of vinyl floors (LVT) and for their accessories like skirtings. PVC floors are widely used in public buildings, hospitals, schools, offices, department stores as well as in private houses.
PPLF$_{PVC}$ is used also for vertical coverages of panels made in foamed polyuretane or PVC. This panels are utilised for paneling in humid environments, bathroom furniture/partition and shower cubicles.

AVAILABLE SIZES
- Rolls with a maximum diameter of 800 mm or sheets;
- Available sizes 1300 mm, 1000 mm, 650 mm.
The availability of other sizes is possible subject to technical verification.

TECHNICAL CHARACTERISTICS
The technical characteristics are summarized in the table on the following page. They refer to the semi-finished product, which needs finishing by the customer. Therefore all the values indicated in the table refer to the product supplied by Neodecortech and not to what the customer will get after its finishing.

PACKAGING AND STORAGE
- It is recommended a storage in its original packaging at a temperature below 30° C.
- Do not expose to direct sunlight and moisture.
- After transport and storage at low temperatures, a period of acclimatization of the material of about 1 hour per cm of roll diameter is required.
- To avoid electrostatic discharges, the material must be processed in a room with a temperature between 20° and 23° and a humidity between 50% and 60%.
- Shelf life: 12 months, if kept in the original packaging and at correct environmental conditions (at a temperature below 30° C).

NOTES
The information contained in this document is based on our current knowledge and experience. However, they cannot be considered exhaustive, but merely indicative. It is suggested to first test the product on your plant. Neodecortech S.p.A. cannot be held responsible for any eventual damage deriving from the use of the above mentioned product. For further information, the safety data sheets for the individual Neodecortech S.p.A. products are also available.

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TECHNICAL DATA
Plastic Printed Laminated Film.

TECHNICAL DATA [1]						
$PPLF_{PVC}$ Multi-layer for LVT Flooring				**$PPLF_{PVC}$ for vertical application**	**$PPLF_{PVC}$ - AC3**	**$PPLF_{PVC}$ - AC4**
PROPERTIES		**Test method**	**Unit/class/ level**			
1	**Structure** - Surface coating - Wear layer - Printed film	-	-	Coating Transparent film Printed PVC	Coating Transparent film Printed PVC	Coating Transparent film Printed PVC
2	**Thickness [2]**	-	µm	150 ±15%	370 ±10%	620 ±10%
3	**Wear resistance**	Acc. to IP method A, EN 13329, Annex E	cylcles	≥ 400	≥ 2000	≥ 4000
4	**Resistance to chair with wheels**	Acc. to EN 425	-	-	No delamination slight change	No delamination slight change
5	**Light fastness**	Acc. to EN 105:B02	level (blue scale)	≥ 6	≥ 6	≥ 6
6a	**Slip resistance (dry)**	Acc. to EN 13893	DS class	-	Friction coefficent ≥ 0.30	Friction coefficent ≥ 0.30
6b	**Slip resistance[3] (wet)**	Acc. to EN 51130	class	-	R 9	R 9
7	**Reaction to fire (and fumes production)**	Acc. to EN 13501-1 EN ISO 9239-1 EN ISO 11925-2	class	Bfl - S1	Bfl - S1	Bfl - S1
8	**Chemical resistance**	Acc. to EN 438-2 (group 1 - only 10 minutes)	degree	1B	1B	1B
9	**Gloss degree**	Acc. toDIN 67530 (60° measuring head, 1982-01)	UG 60°	3±2	3±2	3±2
10	**Emissions in external environments**	-	class	A+	A+	A+

[1] Data shown in the table are purely indicative, as they are subject to variations acccording to the process and finishes used. This sheet cancels and replaces the previous releases.
[2] Assuming PPF 0,70 mm.
[3] Friction coefficient on wet surface (DIN 51130): depending of the embossing structure.

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