

PRODUCT CLASS

Polymeric thermo-plastic film in PVC, printed with water-based inks, phthalate free, to be used for furniture (vertical surfaces) and flooring (LVT).

DESCRIPTION

This product is obtained from a thin printed film that can be coupled with several types of substrates (chipboard, MDF, regenerated PVC, WPC SPC). The higher coupling resistance is guaranteed by a special working process in order to prevent any modification of the physical characteristics of the film. It can be glued on a wooden support, with hot melt adhesives for PVC. Plasticizers, stabilizers, inert charges, colours pigments and flame retardant agents joint to PVC (polyvinylchloride) improve its physical characteristics (heat resistance, solidity and flexibility) and the aesthetic characteristics (colour and light fastness). PVC, protected with UV coatings, get good mechanical properties and resistance against abrasion, wear, ageing, chemical agents and fungus and bacterium attack. It is water-repellent and fire-resistant, thanks to an higher temperature of ignition, low flame propagation and for being self-extinguishing.

ADVANTAGES

- Wider range of decors: (woodgrains, fancy designs, stones, etc.);
- Absence of formaldehyde emissions from the product as it is;
- **Use of DOTP as a plasticizer;**
- **Use of water based inks for printing;**
- Extreme flexibility;
- Good resistance to acids;
- Easy to clean;

APPLICATIONS

PVC is typically used for vertical surfaces and for flooring products. PVC flooring are largely used in public areas such as hospitals, schools, offices and stores. It is also widely used in private houses.

AVAILABLE SIZES

- Supplied in rolls;
- Standard widths up to 2240 mm.

TECHNICAL CHARACTERISTICS

The PVC technical characteristics are summarized in table Nr.1 (see following page).

PACKAGING AND STORAGE

- We recommend storing the product in its original packing in an environment with a temperature lower than 30° C;
- Do not expose the product to direct sun light and humidity;
- After transport and storage at low temperatures, a period of acclimatization of about 1 hour per cm of diameter of the roll is required;
- To avoid electrostatic discharges, the material must be processed in a room with a temperature between 20°-23°C and humidity between 50-60%.

NOTES

The information contained in this document is based on our current knowledge and experiences. However it cannot be considered as exhaustive, but purely indicative. We strongly suggest that the product is tested in advance in your own plant. Neodecortech S.p.A. can not be held as responsible for any eventual damage deriving from the use of the above mentioned product. For further information, the safety sheets concerning every product of Neodecortech S.p.A. are available.

TECHNICAL DATA

Polymeric thermo-plastic

TECHNICAL DATA ⁽¹⁾				Polymeric thermo-plastic PVC film	Polymeric thermo-plastic PVC film
				PPF	PPF
PROPERTIES		Test method	Unit/class/ level	for VERTICAL and HORIZONTAL usage	for VERTICAL and HORIZONTAL usage
1	Product category	-	-	SEMI-RIGID	RIGID
2	Plasticizers used	-	-	DOTP (Di-octyl Terephthalate)	No
3	Thickness	Acc. to DIN 53370	µm	70 ± 10% 90 ± 10%	70 ± 10% 90 ± 10%
4	Density	Acc. to DIN 53479	g/cm ³	1,41 ± 0,02	1,41 ± 0,02
5	Elongation at break	Acc. to EN ISO 527-1-3	%	> 50	> 50
6	Tensile strength	Acc. to EN ISO 527-1-3	N/mm ²	> 20	> 20
7	Vicat softening point	Acc. to EN ISO 306 (procedure VST/B50)	°C	52 ± 2	52 ± 2
8	Light fastness	Acc. to EN ISO 4892-2	Level (blue scale)	≥ 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 releases.