

PRODUCT CLASS

Polymeric thermo-plastic film in PVC, printed with water-base inks, 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

- Wide range of decors (wood-grains, fancy designs, solid colour and so on);
- No formaldehyde emission from the product as it is;
- Use of water base inks for the printing;
- Utmost flexibility;
- **Use of DOTP as a plasticizer***;
- Good resistance to acids;
- Easy cleaning;
- Water-proof.

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.

TECHNICAL CHARACTERISTICS

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

PACKAGING AND STORAGE

Please refer to the "Packaging and Storage chart" uploaded on our website for complete details.

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.

*We use only DOTP (Diocetyl terephthalate) as PVC plasticizer.

TECHNICAL DATA
Polymeric Printed Film

TECHNICAL PARAMETERS ⁽¹⁾				Polymeric thermo-plastic PVC film
PROPERTIES	Test method	Unit/class/ level	VERTICAL PVC* LVT	
1	Product category:	-	-	SEMI-RIGID
2	Plasticizers used:	-	-	DOTP (Di-octyl Terephthalate)
3	Thickness:	Acc. to: DIN 53370	µm	70 ± 10% 90 ± 10%
4	Density:	Acc. to: DIN 53479	g/cm ³	1,41 ± 0,02
5	Tensile impact strength:	Acc. to: EN ISO 8256	kJ/m ²	> 160 (surface smt/cmt)
6	Elongation at break:	Acc. to: EN ISO 527-1-3	%	> 50
7	Tensile strength:	Acc. to: EN ISO 527-1-3	N/mm ²	> 40
8	Vicat softening point:	Acc. to: EN ISO 306 (procedure VST/B50)	°C	52 ± 2
9	Surface tension:	Acc. to DIN 53364 (measured with special ink pens)	mN/m (dynes/cm)	≥ 34 smt/cmt (30 40)
10	Colour:	Acc. to CIELAB	ΔE	≤ 1,00
11	Light fastness:	Acc. to: EN ISO 4892-2	Level (blue scale)	≥ 6

* The information in the table above, relates specifically to the the PVC material, but the same type of product can be made with different polymeric materials (e.g. PP or PET).

⁽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.