



PERMANENT



HIGH TACK



75 MIC

## IGEPA TitanGuard polymeric

Excellent quality lamination, with 75 mic polymeric PVC with UV protection and stabilization and high performance high tack ultra-crystalline adhesive. The film is easy to clean and can be used as anti-graffiti protection. Without any milky effect or silvering effect.

### SUBSTRATE

Clear PVC soft calendered, made from polymeric resins, with UV protection.

Finish	Clear Glossy    Clear Matte		Tolerance	Standard
	Value	Value		
Thickness (µm)	75	75	± 10 %	ASTM D 1593
Weight (g/m <sup>2</sup> )	98	99	± 10 %	ASTM D 1593
Gloss (60°C) (%)	≥ 70	≤ 15		ASTM D 523
Fire Behavior	B s1 / d0			ISO 13501-1 / ISO 11925-2

### ADHESIVE

Clear acrylic based, permanent high tack

	Value	Standard
Peel Adhesion 20 min steel (N/25mm)	> 14	FINAT FTM1
Peel Adhesion 24 h steel (N/25mm)	> 22	FINAT FTM1
Shrinkage (mm)	0,3	FINAT FTM14
Application temperature (°C)	> 10	
Service temperature (°C)	-40 to 80	

### LINER

Glassine

	Value	Tolerance	Standard
Thickness (µm)	55	± 5	ISO 534
Weight (g/m <sup>2</sup> )	62	± 5	ISO 536

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### **DURABILITY**

- Durability: up to 5 years (when applied under vertical exposure - normal Central European climate).
  - Shelf Life: 24 months from the date of manufacture, applicable only to material that has not been processed, and stored according to the following conditions:
  - This material must be stored at a temperature of  $20^{\circ}\text{C} \pm 5^{\circ}\text{C}$  and  $50\% \pm 5\%$  relative humidity, without major climate deviations.
  - The storage area must be dry and clean.
  - Keep the material in the original package when not in use, in order to protect it from dust and contamination.
  - Do not expose to direct sunlight or heat sources.
  - The product must be stored vertically, so that its quality is not compromised.
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### **APPLICATION**

- Application surface: flat
  - Lamination to protect digitally printed images. The film is easy to clean and can be used as anti-graffiti protection.
  - Printed materials must be properly dried before lamination is applied. The presence of residual solvents can modify the specific characteristics of the products.
  - Do not expose to combustible vapors or spills.
  - Non-vertical application results in a significant reduction in durability, as well as climate and angles of sun exposure.
  - It is recommended that the film remains at least 24 hours at the temperature of the workplace before it is used.
  - There may be other factors not described here that may influence the performance in the use.
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### **IMPORTANT REMARKS**

- Igepa is not responsible for the ease or speed of removal of the applied material. It is necessary to have into account the appropriate air and substrate temperatures.
- The user must determine the material's compatibility with the intended specific application, before using it.
- We recommend that, to carry out a job, the same batch of product is used.
- The data provided in this information is based on our knowledge and experience. It is intended to be a source of information and is not a guarantee. It can be subject to change without previous notice.
- Igepa is not responsible for misuse or improper storage, never being responsible for loss or damage to third parties.