

Photoluminescent Self-Adhesive PVC Film - TAG Digital®

TECHNICAL DATA SHEET

Description:

The **Photoluminescent Self-Adhesive PVC Film - TAG Digital®** is a luminescent material based on long afterglow photoluminescent pigments. It is designed for signage, safety markings and advertising applications requiring visibility in the dark.

Characteristics:

With a thickness of 230µ, the film offers excellent strength and durability while maintaining good flexibility. It is made of rigid PVC and coated with a permanent solvent-based adhesive, ensuring strong adhesion to various surfaces.

Printing:

Compatible with digital and screen printing inks.

Application guidelines:

The presence of solvent components in inks may soften the film and increase its stretchability. A drying time of approximately 24 hours is recommended before lamination or application.

Without proper drying, solvent vapours may cause application difficulties and reduce adhesion to the substrate.

Durability:

The maximum recommended duration of use is 2 years.

Removability on glass: up to 1 year at 23–25°C. Adhesion increases over time.

Storage:

1 year when stored between 15°C and 25°C and 45–55% relative humidity in the original packaging.

Adhesion:

Peel strength 180° (FTM 1): 15 N/25 mm ± 1

Initial adhesion (FTM 9): 10 N/25 mm ± 1

Application temperature: 10°C to 40°C

Service temperature: -20°C to +60°C

Product Parameters:

Glowing color: Yellow-green

Glow properties:

(Standard Test : DIN 67510-1 - Standard light source after being excited for 5 min by 1000 Lux)

Model	AFTERGLOW INTENSITY		AFTERGLOW TIME	Thickness	Weight
	(mcd/sqm)		(min)	(mm)	(Kg/m ²)
	10min	60min		A	
4-6h	>50	>7	>800	0.23	0.42

Product reference:

Photoluminescent Self-Adhesive PVC Film	1.24 x 25 m	PHOTO-LUM-G-230-PVC-124025
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Note:

The information in this data sheet is based on laboratory tests and experience gained in practice. It does not constitute a legal guarantee. A test prior to use must be carried out.

Durability is estimated based on exposure conditions in Central Europe. The actual life of the product depends on substrate preparation, exposure conditions and maintenance of the marking. Outdoor performance degradation can be expected when the films are exposed southward, if applied in areas with high temperatures such as Southern European countries, or in polluted areas.