

Reflective 150 µm Self-Adhesive PVC Film - TAG Digital®

TECHNICAL DATA SHEET

Description:

The **Reflective 150 µm Self-Adhesive PVC Film - TAG Digital®** is a retro-reflective material based on glass bead technology, designed for signage, safety markings and advertising applications requiring enhanced visibility.

Characteristics:

With a thickness of 150 µm, this monomeric PVC film offers good strength and durability while maintaining flexibility. It is coated with a permanent solvent-based adhesive, ensuring reliable adhesion to a wide range of surfaces. It is protected by a 120 g/m² siliconised release liner.

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.

Notes:

Do not bring into contact with products containing solvents or ammonia. Thoroughly clean the surface before application. For a bubble-free result, the film should be applied using water.

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): 12 N/25 mm ± 1

Initial adhesion (FTM 9): 7 N/25 mm ± 1

Application temperature: 10°C to 40°C

Service temperature: -20°C to +60°C

Color Chromaticity:

Standard light source: D65	Observation condition: 45/0	Observation angle: 2 degree
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Color	Color Chromaticity								Luminance Factor
	X	Y	X	Y	X	Y	X	Y	
White	0.350	0.360	0.300	0.310	0.285	0.325	0.355	0.375	≥0.27
Yellow	0.545	0.454	0.464	0.534	0.427	0.483	0.487	0.423	0.16---0.40
Red	0.690	0.310	0.658	0.342	0.569	0.341	0.595	0.315	0.03---0.10
Green	0.007	0.703	0.026	0.399	0.177	0.362	0.248	0.409	0.03---0.10
Blue	0.078	0.170	0.137	0.038	0.210	0.160	0.150	0.220	0.01---0.10

Product reference:

Reflective 150 µm Self-Adhesive PVC Film	1.24 x 25 m	RFLX-PVC-150-124025
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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.