

LF 10700 UV Series

PRODUCT DESCRIPTION

Premium cast PVC self-adhesive laminating film.

Face Material:

LF 10700 CG-UV: 30µm clear gloss cast PVC

LF 10700 CM-UV: 30µm clear matt cast PVC

Adhesive: Solvent acrylic transparent

Liner: Clay coated 135 g/sqm

TYPICAL USE

Laminating films specifically designed for the JT 10000 Series for long-term indoor and outdoor applications on corrugated (3D) surfaces and vehicle wrapping.

- provide a better adhesion on UV inks while reducing the silvering effect
 - delay colour fade and protect printing media against UV radiation and weathering
 - enhance colours of the prints
 - customize the media with homogeneous matt and glossy finishes
- LF 10700 UV Series may also be used for WW 100 Pro.

PROCESSING

Specifically designed for media printed with UV curable inks, the LF 10700 UV Series is also compatible with media printed with solvent, eco-solvent & Latex inks.

LF 10700 UV Series needs to be laminated on JT 10000 Series, or WW 100 Pro to achieve optimal protection and durability.

For specific settings of the laminator, please consult the technical manual that comes with the laminator from the original supplier. The printed media should be perfectly dry prior to lamination and be left to dry for at least 24h.

Mactac Laminating media must be applied following the instructions in TB 4.1 "Guidelines on handling, converting and applying Mactac Digital media", available from the resource section at www.mactacgraphics.eu.

SHELF LIFE

2 years when stored at +15 to +25°C and ± 50 % relative humidity (in the original packaging).

PHYSICAL PROPERTIES (TYPICAL VALUES)

Average Values Test Method

Thickness		
Face (microns)	30 µm	ISO 534
Adhesive data, 23°C (N/25 mm)		
Peel adhesion on stainless steel		
Quick tack:		
LF 10700 CG-UV	12	FTM9
LF 10700 CM-UV	9.4	
24 hour residence:		
LF 10700 CG-UV	16	FTM1
LF 10700 CM-UV	14.2	
Dimensional stability		
Shrinkage (1 week at 70°C applied on Aluminium)	Max. 0.3 mm	FTM14
Temperature ranges		
Minimum application temperature (°C)	+ 10°C	
Service temperature range (°C)	- 30°C to + 60°C	
Certifications		
Fire Classification	Self-extinguishing	
Solvent and chemical resistance		
Resistant to short periods of immersion in water and short contact with detergents, alcohol and some aliphatic solvents. Not recommended for contact with ketones, esters, aromatic solvents and chlorinated hydrocarbons.		

EXPECTED DURABILITY

Central Europe Zone 1

Unprocessed	7 years	ISO 4892-2
Laminated*	Up to 5 years	ISO 4892-2

*For more information, refer to "TB 7.5 Outdoor Durability of Mactac Graphics - Self-adhesive films".

Note : Overlamination of the inkjet-printed material delays the eventual colour fading that may occur over time. This colour fading is dependent on the quality of the inkjet inks, the orientation of the printed material, the angle of display and the exact geographical location of exposure.

Exposure to severe temperatures, ultraviolet light, and/or conditions in Southern European countries, tropical, sub-tropical or desert regions will cause more rapid deterioration. This also applies to polluted areas, high altitudes and south-facing exposure.

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