

LF 10700 CG-UV

PRODUCT DESCRIPTION

The LF 10700 CG-UV is a Clear Gloss overlamine especially designed to protect large and medium size digital prints.

It is part of the LF 10700 Series, a range of cast overlaminates that in conjunction with the JT 10700 Series creates the perfect combination for challenging 3D applications. Thanks to its excellent conformability and reliable performance over time, these products are especially suited for partial or total wrapping of vehicles and corrugated surfaces.

The LF 10700 CG-UV is an ultra-clear gloss, soft 30µm cast PVC film coated on one side with an ultra-clear permanent adhesive.

The product has specifically been designed for the protection of digital UV prints, but it is also compatible with other standard digital printing techniques like SB, ecosolvent and latex.

Advantages of LF 10700 CG-UV:

- Helps reduce the colour fade caused by ultra-violet (U.-V.) light exposure
- Protects the UV inks against abrasion, fingerprints, etc.
- Is suitable for internal and external applications
- Does not influence the pH level of the substrate to which it is applied
- Has a high tack adhesive suitable for laminating both SB, ecolsolvent, latex and UV inks
- Is especially designed for the protection of super soft, flexible printed media like the JT 10700 Series and the WW100

PHYSICAL PROPERTIES

	<u>Average values</u>	<u>Test method</u>
<u>Adhesive</u>		
Quick Tack on glass (N/25 mm)	12	FTM 9
Peel 180° on glass (N/25 mm)		
- after 20 minutes	13	FTM 1 (ASTM D 903-49)
- after 24 hours	16	FTM 1 (ASTM D 903-49)
Dimensional stability	< 0.30 mm	FTM 14
Flammability	Self-extinguishing	Sample mounted on aluminium
<u>Release liner</u>		
Clay coated white paper (gr/m ²)	135	ISO 536
<u>Thickness</u>		
Film + adhesive (µ)	57	ISO 534 (ASTM D 645)

HEAT RESISTANCE

Application temperature range : + 5°C to + 40°C

End-use temperature range : - 30°C to + 100°C

For temperatures outside those quoted above, please consult MACtac.

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.

For further technical advice, please consult MACtac.

SHELF LIFE

2 years when stored at 15 to 25°C and ± 50 % relative humidity.

EXPECTED DURABILITY

The expected vertical outdoor durability of the unprocessed product in Central Europe (Zone 1) is up to 4 years. This information is based on successful real life experience and artificial aging according to ISO 4892-2.

Indoor exposure will increase the durability values of the laminating film.

Note: Exposure to severe temperatures, ultra-violet light as well as conditions in Southern European countries, tropical, sub-tropical or desert regions will cause more rapid deterioration. This also applies to polluted areas, high altitude and south facing exposure. No durability warranty is given for horizontal exposure. For more information, please refer to Technical Bulletin 7.5: "Outdoor Durability of combined MACtac print media and laminates".

GENERAL REMARKS

- Where exposure to chemicals, solvents or high pressure water hoses is envisaged, it is recommended to seal the edges of the prints with varnish or silicone in order to avoid penetration of these liquids.
- Where possible, always test the proposed construction under actual application and end-use conditions because a 100% multi-purpose adhesive for all substrates does not exist.
- For car and fleet wrapping with UV printing : use 3D stretchable UV inks in order to avoid cracks in the print upon application
- In order to reach the best result, it is recommended to apply the LF 10700 Series (onto the image) with the help of a professional laminator with a top cylinder temperature of about 20-22°C. Please regulate the speed and the pressure in order to avoid the film stretching or deterioration.
- When laminating digital prints, please ensure the print is perfectly dry.
- The use of flat bed laminator is not recommended to laminate UV prints as the pressure is not sufficient to avoid silvering.
- **JT 10700 Series** laminated with **LF 10700 CG-UV** can be rolled up to allow easy transport. The roll should have a diameter above 7 cm and the image should be facing outwards.
- Please refer to Technical Bulletin 4.2 "Application Guide WW 100" for more information on application procedures of WW100 + LF 10700 Series.
- **The LF 10700 Series is not recommended for the lamination of one way vision perforated vinyl**

IMPORTANT NOTICE

DISCLAIMER

All Mactac statements, technical information and recommendations are based on tests believed to be reliable but do not constitute a guarantee or warranty. All Mactac products are sold with the understanding that purchaser has independently determined the suitability of such products for its purposes. All Avery Dennison's products are sold subject to Avery Dennison's general terms and conditions of sale, see <http://terms.europe.averydennison.com>



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