

LAMAR TC – PERMANENT

Technical Data Sheet

DESCRIPTION

Face stock :

Metallized dull silver finish polyester with acrylic based top coating for ink receptivity, laminated on a soft calendered vinyl.

Thickness : 100, 200 or 300 µm.

Adhesive : Permanent high-performance, acrylic based.

Liner : Mercury.

Bleached Kraft paper, ca. 160 gr/sqm,
two-side polyethylene coated,
without breaklines and backprinting.
Backing with excellent dimensional stability.

Laminate : Lamar T.C. 100 µm : ca. 355 gr/sqm
Lamar T.C. 200 µm : ca. 475 gr/sqm
Lamar T.C. 300 µm : ca. 600 gr/sqm

PHYSICAL AND CHEMICAL CHARACTERISTICS

(TYPICAL VALUES)

N/25 mm on glass	Quick tack FTM9	Peel 20 min. FTM1	Peel 24 h. FTM 1
Lamar 100 µm	26	34	38
Lamar 200 µm	31	34	36
Lamar 300 µm	31	31	36

Resistance to shear : > 30 h FTM 8, on glass

Dimens. stability (applied) : max. 0.5 % FTM 14, alu

Dimens. stability on the backing paper (unapplied) :
max. 0.4 % Measured after 72 h at 60°C

Temperature range :

Min. application temperature : +10°C

Service temperature range : - 20°C to + 80°C

Burning behaviour : Flammable ISO 3795

Toy labelling : in compliance with EN 71/3

Solvent resistance : No effect.

Applied to stainless steel, exposed to : oils, greases,
aliphatic solvents, alcohols.

Petrol resistance : No effect.

Repeated (each 10 min.) petrol spraying.

Chemical resistance : No effect.

Mild acids. Mild alkalis.

Shelf life : stored at 50 ± 10 % RH at 15 - 25°C.

2 years for as long as the material is being stored in its
original packaging.

Durability : 2 years.

Middle European exposure conditions, vertical exposure.
Exposure to severe humidity, ultra-violet light or conditions
found in tropical, subtropical or desert regions will cause
more rapid deterioration than under conditions existing in
"normal" temperate climates.

PRINTING METHODS

The special top coating allows printing solvent based by
screen printing.

For letterpress and offset printing, please contact your ink
supplier.

During printing, it is important that drying is carefully
exercised to ensure removal of printing inks solvents since
certain solvents if retained can lead to plastification
problems with subsequent application troubles and poor
weathering properties.

We recommend to maintain an unprinted area of 3-4 mm on
the edges of the printed decal to avoid edge lifting.

APPLICATIONS AND USES

LAMAR should only be used for indoor applications.

- Electrical appliances, instruction panels, nameplates.
- Outstanding embossing effects.

GENERAL REMARK : factors affecting adhesion

Adhesion failure problems can be avoided by :

- *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.*
- *Being familiar with factors which adversely affect adhesion :*
 - *Labels or stickers should not be applied onto dusty, dirty, oily or oxidized surfaces.*
 - *Mould release agents on blow-moulded plastic surfaces inhibit adhesion.*
 - *Adhesion failure may occur on substrates with low surface tension, such as polyethylene or polypropylene. Rubber based adhesives stick better to low energy surfaces than acrylics.*
 - *Avoid the use of relatively rigid facestocks on highly curved or small diameter surfaces.*
 - *Do not use pressure-sensitive materials outside the recommended service temperature range, or do not apply below the minimum application temperature.*