MACprint®

Product data :
ACETATE FILMS - PERMANENT

DESCRIPTION

Face stock : Cast cellulose acetate film, ~ 40 µm, transparent, plasticized, gloss or matt finish.

Adhesive : Permanent high-performance, acrylic based.
Liner : Coated Kraft paper, ca. 140 g/m² :
Secury 13 (without breaklines)
Product non available with pre scored backing.
Scoring the liner could damage the front material.

Laminate : ca. 210 g/m²

PHYSICAL AND CHEMICAL CHARACTERISTICS ADHESIVE

	Tack	Adhésion
PERMANENT : High performance adhesive. Excellent resistance to U.V. light, weather and ageing	●●	●●

●●● : High ●● : Medium ● : Low

(TYPICAL VALUE)

Quick Tack	15 ± 2 N/25 mm	FTM 9, on glass
Peel 20 min	14 ± 2 N/25 mm	FTM 1, on glass
Peel 24 h	16 ± 2 N/25 mm	FTM 1, on glass
Resistance to shear	> 1000 h	FTM 8, on glass
Dimens. Stability (applied)	max. 0,4 %	FTM 14, alu
Dimens. stability on the backing paper (unapplied)	max.0,6%	Measured after 72 h at 60°C
Temperature ranges	Min. application t° : + 10 °C Service t° : - 20°C to + 70°C	
Toy labelling	in compliance with EN 71/3	
Food contact	approval for indirect application on dry or moist, non-fatty food	ISEGA / BgVV
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.	

PRINTING METHOD

The material allows printing by usual printing technologies including letterpress, offset and screen printing.

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

Acetates are mainly used as pre-printed labels of various sizes for repeat drawing, lay-outs or designs, by architects, engineering departments or design studios, i.e. :

- title block letterings
- identification markings, logos
- sub or part drawings
- symbol markings.

PRODUCT BENEFITS

The acetate film is a modified natural product.
The cellulose content of the film enables it to be printed by any process, just like paper.
Therefore, there is no need for top-coating.

Acetates combine certain mechanical properties that make it especially suitable for use on the drawing board :

- a very thin film, adds almost no extra thickness to the drawing.
- a hard but brittle film, easy to cut.
- the matt film has excellent anti-reflective properties.
- under normal storage conditions, the film shows good resistance to ageing.
- good photocopying : applied to the original document, the acetate film does not cause darkening on the copy.
- Matt acetate may be written upon or typed.

REMARKS

- as acetate is moisture sensitive, the films cannot be used outdoor.
- the films should not be exposed to heavy UV radiation (quartz rays).

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 onblow-moulded plastic surfaces inhibit adhesion
- Adhesion failure may occur on substrates with low surface tension, such as polyethylene or polypropylene.
- 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.