

# 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/m<sup>2</sup> :

Secury 13 (without breaklines)

Product non available with pre scored backing.

Scoring the liner could damage the front material.

Laminate : ca. 210 g/m<sup>2</sup>

## PHYSICAL AND CHEMICAL CHARACTERISTICS

### ADHESIVE

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

#### Tack



#### Adhésion



●●● : 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	
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 cellulose derived 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.



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