



MACprint® / MACscreen®

Product data : MACsilky - PERMANENT

DESCRIPTION

Face stock :

White rayon acetate cloth, resin impregnated, satin finish, ca. 130 g/m².

Adhesive : Permanent acrylic based.

Liner : Coated Kraft paper, ca. 140 g/m² :
Secury 13 (without breaklines)

Laminate : ca. 320 g/m² ASTM D 645

PHYSICAL AND CHEMICAL CHARACTERISTICS

ADHESIVE :

	TACK	ADHESION
PERMANENT : High performance adhesive. Excellent resistance to U.V. light, weather and ageing performance adhesive.	●●	●●
On textile for short periods	●	●

●●● : High ●● : Medium ● : Low

(TYPICAL VALUES)

Quick tack : 16 ± 2 N/25 mm FTM 9, on glass

Peel 20 min. : 12 ± 2 N/25 mm FTM 1, on glass

Peel 24 h : 13 ± 3 N/25 mm FTM 1, on glass

Resistance to shear : > 400 h FTM 8, on glass

Dimens. stability (applied) : no shrinkage FTM 14, alu

Dimens. stability on the backing paper (unapplied) :
no shrinkage Measured after 72 h at 60° C

Temperature range :

Min. application temperature : + 10° C

Service temperature range : - 20° C to + 70° C

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 METHODS

Screen printing, offset and letterpress.

Superb print quality : the calendered and high density fabric guarantees consistent absorption of printing inks and a perfect print density.

Very good results in laser printing.

Notes :

- As MACsilky is a woven material, all labels of a production run should be laid out and printed in the same direction to ensure accurate and identical colour reproduction.
- No fraying during guillotine cutting thanks to a high density resin impregnated fabric. However as MACsilky is a woven material, special care should be taken for matrix stripping (rotary printing and die-cutting equipment).
- 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

Luxury top-quality labels with a satin finish for product identification, mainly on expensive items such as cosmetics, jewellery or premium give-aways. Due to its non staining and removable adhesive from fabrics, MACsilky is especially suitable for high quality fabric / garment labels, name tags and conference badges (application for short period).

REMARK :

Please note MACsilky is not recommended for application on leather, silk and buckskin.

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.
- 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.