

MAClitho SPECIAL PERMANENT "N"

DESCRIPTION

Face stock :

White dull synthetic film, surface coated, ~ 100 µm.
Thanks to its powerful absorbant coating., formulated to be printable by almost all conventional printing methods such as offset (water-based or UV), letterpress or screen printing. Resistant to water, oil and grease, tear resistant, durable.

Adhesive :

Permanent high performances, hot melt adhesive, rubber based. Ensures a good adhesion on numerous difficult substrates.

Backing :

White coated Kraft paper ca. 140 g/m2: plain or scored back printed backing (Starliner).

- Secury 13 without breaklines
- Starliner® with mechanically pre-scored breaklines 31,5 mm apart.

Laminate :

ca. 240 g/m²

PHYSICAL AND CHEMICAL CHARACTERISTICS ADHESIVE

	Tack	Adhésion
PERMANENT LITHO : For general purposes. Excellent properties on difficult substrates	●●●	●●
●●● : High	●● : Medium	● : Low

Temperature ranges	Min. application temperature : - 5 °C Service temperature :- 15 °C to + 70 °C
Food contact	Direct contact dry and moist non fatty foodstuff (27869 U 09)
Shelf life	stored at 50 ± 5 % RH and 15 – 25°C. 3 years for as long as the material is being stored in its original packaging.

APPLICATIONS AND USES

Ideal for labels exposed to hostile environments (humidity, grease, oil, ...) or where prolonged shelf life is a critical factor (compared to paper use). Resistant to a wide range of chemicals. Safe application on difficult substrates thanks to its strong rubber based adhesive.

MAIN BENEFITS FOR THE USER

Good ink absorbancy (quick drying) and although it is basically plastic, it prints and handles as easily as paper. For silkscreen and UV drying process, please consult your ink supplier. MAClitho accepts pencil, pen, marker pen, typewriters and certain types of computer printer (tests are recommended) Perfect flatness thanks to the outstanding dimensional stability due to the conditioning of the complex at 21 +-2 °C and at ca. 55+-10 % relative humidity. Heavy ca 140 g/ m² backing paper. Complementary facility with STARliner® backing: no need of backslicing thanks to pre-scored lines.

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.

Adverse reactions may occur when applying Removable adhesive onto certain substrates. Therefore, a suitability test is necessary.

- 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.



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