

Product data : SOLID FOIL - SOLID FOIL

DESCRIPTION

Face stock :

Pure aluminium foil, ~ 40 µm, with vinylic based top coating for ink receptivity, dull silver finish.

Adhesive :

Permanent high-performance, acrylic based

Backing :

Bleached Kraft paper, ca. 160 g/m²
 Two-side polyethylene coated, without breaklines and backprinting.
 Backing with excellent dimensional stability.

Laminate :

ca. 320 g/m²

PRINTING METHOD

The vinylic based topcoating allows printing by usual printing technologies including letterpress, offset and screen printing. It is not recommended to use inks containing ketones or acetates (contact your ink supplier). For letterpress and offset printing, please contact your ink supplier for an appropriate ink choice.

APPLICATIONS AND USES

Indoor or outdoor applications where long life and heat resistance is required such as :

- Labelling of boilers, water heaters, central heating.
- Electrical appliances, instruction panels, nameplates.

ADHESIVE

	Tack	Adhésion
SOLID FOIL : High performance adhesive. Excellent resistance to U.V. light, weather and ageing	••	•••
	••• : High	• : Low

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.

(TYPICAL VALUE)

Quick Tack	28 ± 3 N/25 mm	FTM 9, on glass
Peel 20 min	30 ± 3 N/25 mm	FTM 1, on glass
Peel 24 h	33 ± 3 N/25 mm	FTM 1, on glass
Resistance to shear	> 1000 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 ranges	Min. application temperature : + 10 °C Service temperature :- 20 °C to + 150 °C	
Flammability	Self-extinguishing	ISO 3795
Food contact	approval for indirect application on dry or moist, non-fatty food ISEGA/BgVV	
Solvent resistant	No effect. Applied to stainless steel, exposed to : oils, greases, aliphatic solvents, alcohols.	
Petrol resistance	If extended contact, edge-lifting will occur. 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.	



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