

MACfoil AF 347

GENERAL INTRODUCTION

MACfoil

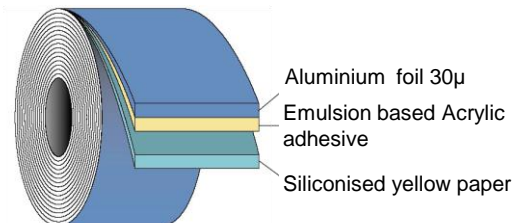
- is a range of self-adhesive tapes which are used as sealing material in the insulation field as well as for other industrial applications. The face materials used are aluminium or synthetic foils. The adhesives are acrylic polymer or synthetic rubber based formulations.

PRODUCT DESCRIPTION

MACfoil AF 347 consists of a dead soft aluminium foil coated with an acrylic adhesive.

MACfoil AF 347 offers very good tack and adhesion properties at normal temperatures.

MACfoil AF 347 is protected by a paper liner



TYPICAL APPLICATION

Insulation : to make water/air tight - in ventilation, air conditioning systems, heat and light reflectors, joining and sealing applications, electromagnetic shielding of appliances...

White Goods Industry: Insulation bonding.

CHARACTERISTICS

Adhesion with Substrates

Metal / Aluminium	Medium	Acrylic / PET	Medium
Glass / Ceramics	Medium	Polystyrene	Medium
Painted Surface	Medium	PP / PE / PS	Medium
Wood / Board / Paper	Medium	Textile / Cotton	Medium
Soft PVC	Low	Rubber / EPDM	Medium
Rigid PVC	Medium	Smooth Substrate	Medium
PC / ABS	Medium	Rough Substrate	Low

RESISTANCE

Resistant to water, detergents and alcohol. Medium resistance to plasticizers. Low outdoor resistance. Not recommended for use in contact with aliphatic or aromatic hydrocarbons. *For further technical advice, please consult with Mactac.*

APPROVAL

AF 347 has been tested in accordance with the class definition in BS 476: 1971. The specimen tested is classified as Class 1(ONE)

SHELF LIFE

2 years when stored at 15/25° C and ± 50 % relative humidity.

ADHESIVE DATA

	Typical Values (*)	Test Method
Quick Tack (N/25mm) on brushed stainless steel (ref. Nokoro 304 poli. N°4)	15	FTM 9
Peel 180° - (N/25mm) on brushed stainless steel (ref. Nokoro 304 poli. N°4)	15	FTM 1
- after 20 minutes	20	FTM 1
- after 24 hours		
Shear (hours) 1kg – 25mmx25mm	> 200	FTM 8

FACE DATA

	Typical Values (*)	Test Method
Thickness (μ)	30	ISO 534
Tensile (N/15mm)	> 25	DIN 53455
Vapor transmission (perm)	< 0,1	DIN 53122

TEMPERATURE RESISTANCE

Minimum Application Temperature	- 8°C	
End-use temperature range	- 30°C to + 90°C	
Short term resistance	+ 180°C	S.A.F.T. 500grs

For temperatures outside those quoted above, please consult with Mactac.

RELEASE LINER

Silicone paper yellow of 65 gr/sqm		ISO 536
THICKNESS (Carrier + adhesive)	65 μ	ISO 534

(*) Values given are typical and are not necessarily for use in specifications.

IMPORTANT NOTICE

All Mactac products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects. Published information concerning Mactac products are based upon research which the Company believes to be reliable but such information do not constitute a warranty. Because of the variety of possible uses for Mactac products and the continuing development of new uses, the purchaser should carefully consider the fitness and performance of the product for each intended use and the purchaser assumes all risks in connection with such use. Seller shall not be liable for damages in excess of the purchase price of the product or for incidental or consequential damages. All specifications are subject to change without prior notice.

