

MACfoil AF 546

GENERAL INTRODUCTION

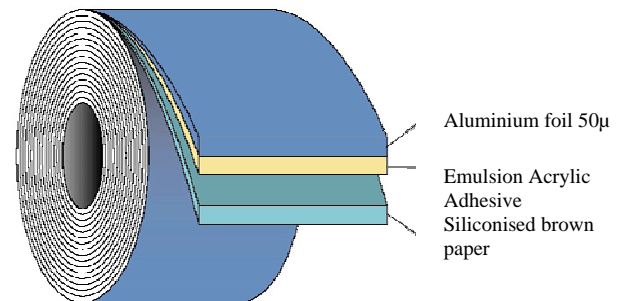
MACfoil

- 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 546

- Consists of a dead soft aluminium foil coated with an acrylic adhesive.
- It offers good tack and peel properties with good shear resistance.
- 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	Textile/Cotton	Medium
Glass / Ceramics	Medium	Rubber/EPDM	Medium
Painted Surface	Medium	Acrylic/PET	Medium
Wood/Board/Paper	Medium	Polystyrene	Medium
Soft PVC	Low	PP/PE/PS	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.*

SHELF LIFE

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

ADDITIONAL INFORMATION

IMDS – automotive registration :AF546 has been introduced in the IMDS (International Material Data System)

ADHESIVE DATA

	TYPICAL VALUES (*)	TEST METHOD
Quick Tack (N/25mm) on stainless steel	12	FTM 9
Peel 180°- (N/25mm) on stainless steel		
- after 20 minutes	13	FTM 1
- after 24 hours	17	FTM 1
Shear (hours) 1kg-25 mm x 25mm	500	FTM 8

FACE DATA

	TYPICAL VALUES (*)	TEST METHOD
Thickness (µ)	50	ISO 534
Tensile (N/15mm)	> 40	DIN 53455
Vapor transmission (perm)	< 0,1	DIN 53122

TEMPERATURE RESISTANCE

Minimum application temperature	- 15°C	
End-use temperature range	- 40°C to + 125°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 brown of 80 gr/sqm		ISO 536
THICKNESS (Carrier+Adhesive) 75 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.



