

# MACfoil AF 349

## GENERAL INTRODUCTION

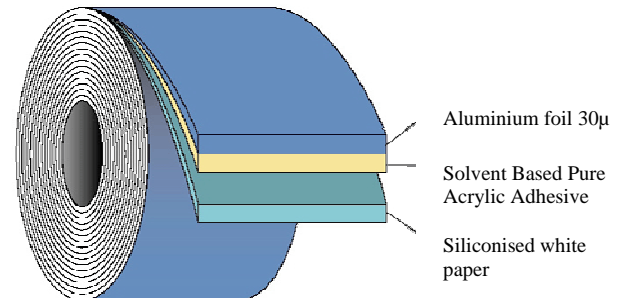
### *MACfoil*

- 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 349*

- Consists of a dead soft aluminium foil coated with an acrylic adhesive.
- It offers medium 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

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

**ADHESIVE DATA**

	TYPICAL VALUES (*)	TEST METHOD
Quick Tack (N/25mm) on stainless steel	15	FTM 9
Peel 180° - (N/25mm) on stainless steel		
- after 20 minutes	15	FTM 1
- after 24 hours	18	FTM 1
Shear (hours) 1kg-25 mm x 25mm	>100	FTM 8

**FACE DATA**

	TYPICAL VALUES (*)	TEST METHOD
Thickness (μ)	30	ISO 534

**TEMPERATURE RESISTANCE**

Minimum application temperature	- 4°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 white of 75 gr/sqm		ISO 536
THICKNESS (Carrier+Adhesive) 70 μ		ISO 534

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

**IMPORTANT NOTICE**

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