

# MACbond B 2148

## GENERAL INTRODUCTION

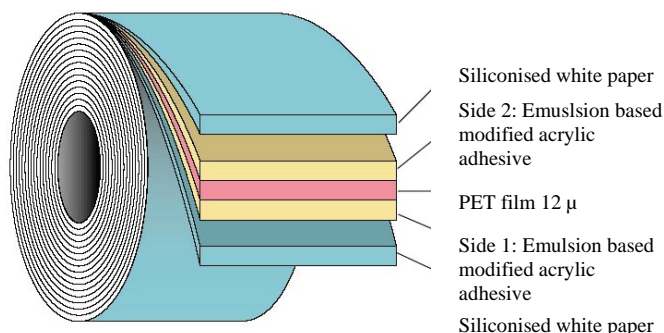
### MACbond

- is an assembling system consisting of a thin carrier (paper, non woven, film or others), coated on both sides with a uniform layer of adhesive.
- the adhesives used are pressure-sensitive acrylic polymer or synthetic rubber based formulations.
- is produced in roll or sheet format with a single or double release liner, so that the product chosen best suits the customer's needs.

## PRODUCT DESCRIPTION

**MACbond B 2148** consists of a thin polyester film coated on both sides with an emulsion based modified acrylic adhesive. It offers medium tack, peel and shear resistance.

**MACbond B 2148** is produced in twin liner format with two calendered paper liners.



## TYPICAL APPLICATION

General purposes : nameplates, posters, POS displays,...

## CHARACTERISTICS

### Adhesion with Substrates

<b>Metal / Aluminium</b>	Medium	<b>Textile/Cotton</b>	Medium
<b>Glass / Ceramics</b>	Medium	<b>Rubber/EPDM</b>	Low
<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>	Medium

## RESISTANCE

Resistant to detergents and alcohol. Low resistance to plasticizers and 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

**Skin contact approval:** The adhesive of B 2148 has been lab tested and its Primary Irritation Index ( P.I.I ) was calculated to be 0.55, « slightly irritating » in accordance with the criteria of ECETOC. ( = European Center for Ecotoxicology and Toxicology Of Chemicals ).

**Food contact approval:** The adhesive of MACbond 2148 has been tested and approved for direct contact with dry, moist and some fatty foodstuffs according to the European directive 85/572/EEC

**ADHESIVE DATA**

	TYPICAL VALUES (*)	TEST METHOD
Quick Tack (N/25mm) on stainless steel	11	FTM 9
Peel 180° - (N/25mm) on stainless steel		
- after 20 minutes	14	FTM 1
- after 24 hours	15	FTM 1
Shear on stainless steel 1kg-25 mm x 25mm (hours)	> 60	FTM 8

**CARRIER DATA**

	TYPICAL VALUES (*)	TEST METHOD
Thickness (µ)	12	ISO 534
Tensile (N/15mm) (min.)	MD 25 CD 27	DIN 53455
Elongation (%) (max.)	MD 180 CD 180	DIN 53455

**TEMPERATURE RESISTANCE**

Minimum application temperature	- 5°C	
End-use temperature range	- 30°C to + 100°C	
Short term resistance	+ 120 °C	S.A.F.T. 500grs

*For temperatures outside those quoted above, please consult with MACtac.*

**RELEASE LINER**

Two silicone papers white of 65 gr/sqm		ISO 536
THICKNESS (Carrier+Adhesive) 62 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.

