

MACbond B 2197

GENERAL INTRODUCTION

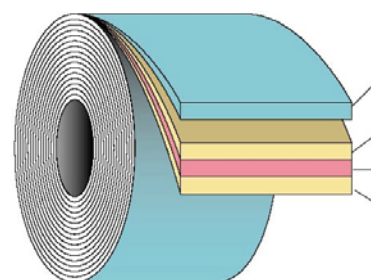
MACbond

- is an assembling system consisting 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 2197 consists of a thin polyester film coated on both sides with a solvent based modified acrylic adhesive. It offers an excellent balance of high shear resistance, very good initial tack and superior adhesion level to ensure reliable bonding strength even to low energy substrates such as PP or PE.

MACbond B 2197 has outstanding holding power, also at elevated temperatures, to support "life-long" permanent bonding performance. MACbond B 2197 is produced in self-wound format on red polypropylene, siliconized on both sides.



Red PP film

Side 2: solvent based modified acrylic adhesive
PET film 12 μ
Side 1: Solvent based modified acrylic adhesive

TYPICAL APPLICATION

For fixing of bars, borders, profiles, PVC extrusion, furniture trims, ornamental screens and cable ducting, battery pack fixing. For joining or splicing of paper, textiles, synthetic and metal films. It is appropriate for rough or structured surfaces. White Goods Industry : Mounting of nameplates, emblems and backprinted graphics.

CHARACTERISTICS

Adhesion with Substrates

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

* The medium adhesion values are superior to most other adhesives on the same substrates.

RESISTANCE

Resistant to detergents and alcohol. Medium resistance to plasticizers and medium 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 15/25°C and 50% relative humidity.

ADHESIVE DATA

	TYPICAL VALUES (*)	TEST METHOD
Quick Tack (N/25mm) on stainless steel	32	FTM 9
Peel 180° - (N/25mm) on stainless steel		
- after 20 minutes	22	FTM 1
- after 24 hours	23	FTM 1
Shear on stainless steel 1kg-25 mm x 25mm (hours)	> 2000	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	+ 2°C	
End-use temperature range	-40°C to +160°C	
Short term resistance	+ 175°C	S.A.F.T. 500grs

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

RELEASE LINER

Red MOPP 50 µ	ISO 534
180 µ	ISO 534

THICKNESS (Carrier+Adhesive)

(*) 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.

