

MACbond B 2197

GENERAL INTRODUCTION

PRODUCT DESCRIPTION

TYPICAL APPLICATION

CHARACTERISTICS

RESISTANCE

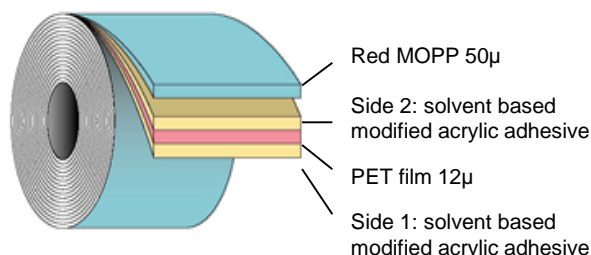
SHELF LIFE

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

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..



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.

Adhesion with Substrates

Metal / Aluminium	High	Acrylic / PET	High
Glass / Ceramics	High	Polystyrene	Medium(*)
Painted Surface	Medium(*)	PP / PE / PS	Medium(*)
Wood / Board / Paper	Medium(*)	Textile / Cotton	Medium(*)
Soft PVC	Medium	Rubber / EPDM	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.

Resistant to water, 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.

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)	32	FTM 9
Peel 180° - (N/25mm) on brushed stainless steel (ref. Nokoro 304 poli. N°4)	22	FTM 1
- after 20 minutes	23	FTM 1
- after 24 hours		
Shear on brushed stainless steel (ref. Nokoro 304 poli. N°4) 1kg – 25mmx25mm (hours)	2000	FTM 8

CARRIER DATA

	Typical Values (*)	Test Method
Thickness (μ)	12	ISO 534
Tensile (N/15mm)	MD 25 CD 27	DIN 53455
Elongation (%)	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 50μ		ISO 534
THICKNESS (Carrier + adhesive) 180 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.

