

# MACbond B 2100

## GENERAL INTRODUCTION

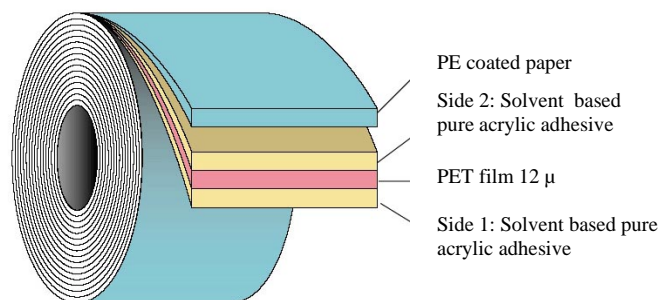
### MACbond

- 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 B2100** consists of a thin polyester film coated on both sides with a solvent based pure acrylic adhesive. It offers high tack and peel properties, and a very high shear resistance.

**MACbond B2100** is produced in self wound format on a white kraft paper PE coated on both sides.



## TYPICAL APPLICATION

General bonding of substrates requiring resistance to plasticizer migration

## CHARACTERISTICS

### Adhesion with Substrates

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

## RESISTANCE

Resistant to water, detergents, alcohol, aliphatic and some aromatic hydrocarbons. Not recommended for use in contact with chlorated solvents, ketones or esters.

## SHELF LIFE

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

## ADDITIONAL INFORMATION

**Skin contact approval:** The adhesive of B 2100 has been lab tested by and its Primary Irritation Index ( P.I.I ) was calculated to be 0.1, « negligible irritating » in accordance with the criteria of ECETOC. ( = European Center for Ecotoxicology and Toxicology Of Chemicals ).

**Food contact approval:** The adhesive of MACbond 2100 has been tested and approved for direct contact with dry, moist and some fatty foodstuffs according to the European directive 85/572/EEC

**IMDS – automotive registration** : B 2100 has been introduced in the IMDS (International Material Data System)

**ADHESIVE DATA**

	TYPICAL VALUES (*)	TEST METHOD
Quick Tack (N/25mm) on stainless steel	20	FTM 9
Peel 180° - (N/25mm) on stainless steel		
- after 20 minutes	21	FTM 1
- after 24 hours	23	FTM 1
Shear on stainless steel 1kg-25 mm x 25mm (hours)	500	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	-40°C to +180°C	
Short term resistance	+ 200°C	S.A.F.T. 500grs

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

**RELEASE LINER**

PE coated paper of 120 gr/sqm		ISO 536
THICKNESS (Carrier+Adhesive) 130 µ		ISO 534

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

**IMPORTANT NOTICE**

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