

## **MorBond MB 860 + Hardner CT 81**

*Revised September 2021*

### **DESCRIPTION:**

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MB860 + CT81 is a 2-component, solvent free, reverse catalysed, polyurethane laminating adhesive system specially formulated for flexible packaging.

### **TECHNICAL DATA:**

	<b><u>MB860</u></b>	<b><u>CT81</u></b>
Appearance:	Clear to slightly hazy	Clear to slightly hazy
Solids Content:	100%	100%
Viscosity at 25°C:	2000 – 8,000 mPa.s	400 – 70 mPa.s
Specific Gravity:	1.12	0.96
Functionality:	NCO	OH
Mixing Ratio:	100 parts by weight	80 parts by weight

### **TYPICAL LAMINATES:**

Laminates can be made with the following substrates:

Orientated Polypropylene (OPP), Vacuum Metallized Orientated Polypropylene (VMOPP),  
Cast Polypropylene (CPP), Vacuum Metallized Cast Polypropylene (VMCPP),  
Treated Polyester (PET), Vacuum Metallized Polyester (VMPET),  
Cast Polyamide (Nylon), Orientated Polyamide (OPA),  
Polyethylene (PE), Linear Low Density Polyethylene (LLDPE)  
Aluminum Foil (ALUFOIL)

### **FEATURES & BENEFITS:**

- Multi-purpose, providing good bonds to most substrates.
- Suitable for metallized and barrier films.
- Good ink wetting, providing excellent appearance and finish.
- Good hold-out on difficult inks.
- Boiling resistance on clear films.
- Product resistance on clear films.
- Long pot life makes this adhesive machine operator friendly.
- Viscosity profile permits high machine speeds.
- Fast curing permitting slitting in 24 hours.

**MIXING DATA:**

The recommended mix ratio for MB860 + CT81 is 100 parts by weight of the MB860 component with 80 parts by weight of the CT81 component.

**APPLICATION:**

MB860 + CT81 should be applied using a machine designed specifically for laminating with solvent free adhesives. The thermostatic temperature control on the metering rollers, as well as the coating roller, should be set to 40°C. The adhesive temperature should be checked with an infrared thermometer, to check that the temperature of the adhesive also remains at 40°C.

**NIPPING CONDITIONS:**

Combine the adhesive coated web to the treated secondary web at between 40°C and 70°C.

**FOODSTUFFS PACKAGING STANDARDS:**

FDA CFR 21 § 175.105 (USA)

ECC 10/2011 (EU)

**IMPORTANT SUGGESTION:**

**For further important and useful information on this product, please consult our general product information sheet entitled 'Solvent Free Laminating Adhesives'.**

**Disclaimer**

The suggestions for use given above are based on our experience and are believed to be correct. However, no guarantee of good results is given, nor implied. Since the products will be used under conditions that are beyond our control, no warranty is expressed, nor accepted. We strongly recommend and urge customers to conduct preliminary tests to confirm the suitability of the products for their own particular purpose and end-use requirements and under their own operating conditions.

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