



TECHNICAL DATA SHEET

MAX-BOND



3C Sealants Max-Bond is a premium grade, fast curing, high strength adhesive based on MS-Polymer for internal and external use. With very high initial grab it is perfect for bond almost any materials, porous & non-porous and remains permanently elastic.

BENEFITS:

- Apply with standard mastic sealant gun
- Permanent elasticity
- U.V. and weather-resistant
- Offers strong resistance to finger picking
- Shore A Hardness: 60
- Movement accommodation: 20%
- Overpaintable with most paints
- Interior and exterior use
- High initial grab (high-tack)
- Maximum final adhesion
- Excellent tensile strength
- Bond to damp surfaces (test recommended)
- Fast curing: approx 20 minutes
- Perfect for bond to natural stone

APPLICATIONS:

- Interior & exterior bonding
- Sticking panels & fittings
- Laths, frames & window cills
- Mounting safety glass & mirrors
- Bonding in automotive industry
- Ideal for secure units (prisons & hospitals)
- Many other adhesive applications

PRIMERLESS BONDING OF:

- Galvanized & stainless steel
- Aluminium, copper & zinc
- Natural stone, concrete & brick
- High pressure laminates & treated wood
- Plasterboard
- Glass
- Various synthetics

SHELF LIFE & STORAGE:

Use within 12 months from the manufacturer date. Store in cool dry conditions between + 5° C and 25°C.

LIMITATIONS:

- Submersed under water joints
- Joints with a width or depth < 5 mm
- Gluing PE, PP, PA and Teflon®.
- On bituminous surfaces
- On polycarbonate and polyacrylate
- On polycarbonate and polyacrylate: use Parasilico PL for this purpose.
- Not compatible with the edge seals of insulating glazing. Avoid direct contact.
- Tests show that 3C Max-Bond is compatible with most PVB films of security glass.
However, due to the large number of PVB films on the market and because the composition of it can be changed by the producer without mentioning, this statement does not guarantee compatibility on all PVB films.

TECHNICAL CHARACTERISTICS	
Basic ingredient	MS polymer
Curing system	By means of humidity
Number of components	1
Skin formation time (23°C and 50% R.V.)	17 min
Vulcanisation rate (23°C and 50% R.V.)	2,5 - 3 mm/24 h
Density : ISO 1183	1,56 g/ml
Processing temperature	+5°C - +40°C
Shelf life, in original packing in dry conditions between +5°C - +25°C	12 months
Shore A hardness : ISO 868	60
Joint movement capacity : ISO 11600	20%
Modulus at 100% elongation : ISO 8339	1,60 N/mm ²
Elongation at break : ISO 8339	110%
Modulus at break : ISO 8339	1,7 N/mm ²
Shearing strength beech/beech	Initial : 10 g/cm ² After 4 h : 15 kg/cm ² After 1 week : 32 kg/cm ²
Tensile strength beech/beech	Initial : 300 g/cm ² After 4 h : 14 kg/cm ² After 1 week : 24 kg/cm ²
Tensile strength alu/alu	After 2 weeks: 15 kg/cm ² After 2 weeks + 20 min 180°C: 20 kg/cm ²
Solvent & isocyanate content	0%
Dry matter content	ca. 100%
Temperature resistance	-40°C - +90°C
Extremely good moisture resistance and not sensitive to frost	

HEALTH & SAFETY:

Please consult the MSDS for more information.

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.