

BOND – FLEX ADHESIVE SEALANT

PRODUCT DESCRIPTION:

Aerobolt BOND - FLEX is a high quality single component joint sealant with high adhesive strength and initial tack. It is based on MS Polymer®, chemically neutral and fully elastic. For use in construction, automotive, marine and aerospace areas where a tough flexible rubber joint or adhesive with powerful bond strength is required.

CHARACTERISTICS

- High initial tack reducing the need for initial support
- High bond strength and fast cure onto nearly all surfaces
- Primerless adhesion even on damp surfaces (due to BOND - FLEX's unique adhesion promoters)
- High performance mechanical properties
- Flexible elastic rubber - movement accommodation up to 20% +/-
- Straightforward application even in adverse conditions
- No bubble formation within sealant (in high temperature and humidity applications)
- Very easy to tool and finish
- Good extrudability even at low temperatures
- Colour stability and UV resistant
- Ecological advantages - free of isocyanates, solvents, halogens and acids.
- Does not contain isocyanates or silicone
- Solvent free and completely neutral - Minimal Health and Safety considerations
- Overpaintable with all water based paints and many other systems
- Resistance to many chemicals and anti-fungicidal
- No staining of highly porous materials such as natural stone, blue stone, marble, granite.

APPLICATION EXAMPLES

- Sealing and bonding in the truck body building industry
- Sealing and bonding in the automotive industry
- Sealing and bonding in the building industry
- Sealing and bonding in the marine industry
- Sealing of floor joints and low movement wall joints
- Sanitary and kitchen areas - resists mould growth
- Structural bonding of vibrating components
- Connection joints in sheet metal fabrication
- Paintable gap filler and sealant
- Direct bonding to the back of mirrors
- Direct bonding of traffic signs

BOND – FLEX ADHESIVE SEALANT

COLOURS : White , Black, Other colours on request

PACKAGING : 290ml thick wall cartridge ; 600ml foil pack

SHELF LIFE : 12 months in unopened packaging in a dry and cool storage place at temperatures between +5 °C and + 25 °C

TECHNICAL DATA

Base :	MS Polymer
Consistency :	Stable paste
Curing System :	Moisture cure
Skin Formation :	Approx. 10 min (20 °C/65% R.H.)
Curing Rate :	2-3 mm/24 h (20 °C/65% R.H.)
Hardness :	50 +/- 5 Shore A
Shrinkage :	none
Specific Gravity :	1.62
Temperature Resistance :	-40 °C to +90 °C
Elongation at Break :	500% (DIN 53504)
Elasticity Modulus 100% :	1.3 N/mm ² (DIN 53504)
Elastical Recovery :	>75 %
Breaking strength :	2.2 N/mm ² (DIN 53504)
Maximum allowed distortion :	20% +/-

CHEMICAL RESISTANCE

Good	Poor
Water	Aromatic Solvents
Aliphatic Solvents	Concentrated Acids
Mineral Oils	Chlorinated Hydrogens
Grease	
Diluted Inorganic Acids and Alkalis	

INSTRUCTIONS FOR USE

Surface preparation: Clean, free of dust and grease.

Priming: For porous surfaces Primer 150 may be applied. Non porous substrates abraded and cleaned with Aerobolt cleaner.

We recommend preliminary adhesion tests

Application Method :	Manual or pneumatic caulking gun
Application Temperature:	+1 °C to +30 °C
Clean with :	White Spirit immediately after use
Tool with :	Soapy solution before skin formation
Repair with :	BOND - FLEX

BOND – FLEX ADHESIVE SEALANT

TRANSPORT INFORMATION :

Road :	ADR :	Free
Maritime :	IMDG :	Free
Air :	ICAO/IATA-DGR :	Free
UN Number :		Does not apply

LABELLING : No hazardous labelling required

SAFETY MEASURES : Apply the usual industrial hygiene.

PAINTABILITY: BOND - FLEX may be overpainted, however due to the large number of paints and varnishes available we strongly suggest a compability test before application. The drying time of alkyd resin based paints may increase. Due to the wide variety of possible substrates, we recommend compatability tests.

IMPORTANT NOTE: BOND - FLEX **can be applied to a wide variety of substrates. Due to the fact that specific substrates such as plastics, polycarbonate etc may differ from manufacturer to manufacturer, we recommend preliminary compatability tests.**

Remark: The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. In every case it is recommended that preliminary experiments be carried out.