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FIX ALL - ADHESIVE SEALANT

PRODUCT DESCRIPTION:

Fix All is a high quality single component joint sealant with high adhesive strength. 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 bond strength and fast cure onto nearly all surfaces
Primerless adhesion even on damp surfaces (due to Fix All's unique adhesion promoters)
High performance mechanical properties
Flexible elastic rubber - movement accomodation 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.
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.

MS-Polymer® Technology

APPLICATION EXAMPLES

Sealing and bonding in the building industry
Sealing of floor joints and low movement wall joints
Sanitary and kitchen areas - resists mould growth
Structural bonding in vibrating constructions.
Connection joints in sheet metal fabrication
Paintable gap filler and sealant
Mirror bonding direct onto the back of the mirror.

COLOURS : White , Black, Grey, Brown. Other colours on request
PACKAGING : 290ml thick wall cartridge, 600ml foil pack on request, 80ml tubes
SHELF LIFE : **12** months in unopened packaging in a dry and cool storage place at temperatures between + 5 ºC and + 25 ºC

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TECHNICAL DATA

Base :	Hybrid Polymer
Consistency :	Stable paste
Curing System :	Moisture cure
Skin Formation :	Approx. 10 min (20 ºC/65% R.H.)
Curing Rate :	2-3 mm/24 h (20 ºC/65% R.H.)
Hardness :	45 +/- 5 Shore A
Shrinkage :	none
Specific Gravity :	1.67
Temperature Resistance :	-40 ºC until +90 ºC
Elongation at Break :	500% (DIN 53504)
Elasticity Modulus 100% :	1 N/mm² (DIN 53504)
Elastical Recovery :	>75 %
Breaking strength :	2.0 N/mm² (DIN 53504)
Maximum allowed distortion :	20% +/-

CHEMICAL RESISTANCE : Good : Water, Aliphatic Solvents, Mineral Oils, Grease, Diluted Inorganic Acids and Alkalis

Poor : Aromatic Solvents, Concentrated Acids, Chlorinated Hydrogens

JOINT DESIGN

Minimum Width :	2 mm for bonding 5 mm for joints
Maximum Width :	10 mm for bonding 30 mm for joints
Minimum Depth :	5 mm for joints
Recommendation :	width of joint = 2 times width of joints

INSTRUCTIONS FOR USE

Surface preparation:	Clean, dry, free of dust and grease.
Priming:	For porous surfaces Primer 150 may be applied. Non porous substrates may be primed with Surface Activator.

We recommend preliminary adhesion tests.

Application Method :	Manual or pneumatic caulking gun
Application Temperature:	+1 ºC until +30 ºC
Clean with :	White Spirit immediately after use
Tool with :	Soapy solution before skin formation
Repair with :	Fix All

TRANSPORT INFORMATION :

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

LABELLING :

Symbol :	None
R-Sentences :	None
S-Sentences :	None

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SAFETY MEASURES : Apply the usual industrial hygiene.

PAINTABILITY: Fix All 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.

REMARK: **Fix All 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.**