



## Adhesives & Sealants

# ALL FIX HIGH TACK – MS POLYMER

## Technical Data Sheet

**Reviewed: 22.04.2024**

### DESCRIPTION

**ALL FIX HIGH TACK** is an ultra-high tack one component powerful adhesive and sealant. It is based on modern HYBRID - SMP technology (Hybrid Silyl Modified Polymer) and it is solvent an isocyanate free. Exhibits an extremely high initial grab without requiring any temporary fixation. Replaces screws and nails. It cures by reaction with moisture. Unused material inside the cartridge can be used up to 3 months after first use if stored properly.

### ADVANTAGES

- Excellent immediate grab
- High final strength (1 TN/40cm<sup>2</sup>)
- Fast cure onto nearly all surfaces
- Primerless adhesion even on damp surfaces
- High humidity resistance and sea water resistance
- Color stable and UV resistant
- No staining of highly porous materials such as natural stone, blue stone, marble, granite
- Permanently elastic after curing, absorbs vibrations
- Paintable with most paints
- Noncorrosive to metals and mirrors
- Ecological advantages -free of isocyanates, solvents, halogens and acids

### APPLICATIONS

- Sealing and bonding in building, construction and shipbuilding industries.
- Fixing and bonding dissimilar materials.
- Bonding applications involving dynamic load such as cars, cruising boats, machinery, etc.
- Adheres perfectly on most common substrates such as glass, wood, metals, coated and uncoated aluminum, mirrors, concrete, stone, marble, PVC, ABS, polycarbonate etc.
- Filling and sealing gaps, cracks, and joints.

### LIMITATIONS

Not suitable for bonding for bonding PE, PP, PTFE, PC, PMMA, soft plastics, neoprene and bituminous substrates. Not suitable for permanent immersion in chlorinated water and contact with food.

### INSTRUCTIONS FOR USE

1. Surfaces must be clean, free of dust and grease.
2. Use silicone applicator guns with mechanical advantage ratio of 12:1 – 26:1
3. Apply using the special V-Nozzle, parallel stripes with 3-5 cm distance in between.
4. The thickness of the adhesive should be 2-3 mm.
5. Assemble surfaces before skin formation.
6. When joining the two surfaces press them evenly and firmly.
7. Avoid applying any detaching forces for at least 24 hours, until the adhesive fully cures.
8. Mechanical support until curing is usually unnecessary due to high initial grab.
9. For sealing applications finish with soapy water before skin formation.

A suitability test is recommended.

**ALL FIX HIGH TACK** may be over painted 24 – 72 hours after application. However, due to the large number of paints and varnishes available we strongly suggest a compatibility test before application.

The drying time of alkyd resin based paints may increase. Due to the wide variety of possible substrates, we recommend a preliminary compatibility test. This product cannot be used as a glazing sealant.

### JOINT SIZE

**Minimum Width:** 2mm (bonding)

5mm (joints)

**Maximum Width:** 10mm (bonding)

30mm (joints)

**Minimum Depth:** 5mm (joints)

**Recommendation:** 2 X depth = width

### REMARKS

**ALL FIX HIGH TACK** presents good resistance to water, aliphatic solvents, mineral oils, grease, diluted inorganic acids and alkalis. Presents poor resistance to aromatic solvents, concentrated acids, chlorinated hydrogens

### CLEANING

Clean all equipment with White Spirit immediately after use. Fully cured material can only be removed mechanically.

### TECHNICAL CHARACTERISTICS

**Base:** Hybrid MS Polymer

**Color:** White

**Consistency:** Thixotropic paste

**Curing System:** Moisture Cure

**Skin formation (20°C/ 65% R.V.):** 10 min.

**Curing Rate (20°C/ 65% R.V.):** 2-3mm /24h

**Hardness:** 60 ± 5 Shore A

**Specific gravity:** 1,50 gr/ml

**Temperature Resistance:** -40°C to +100°C.

**Maximum Deformation:** ±10%

**Elasticity Modulus 100%:** 1,40 N/mm<sup>2</sup>

**Tear Strength:** 2,60 N/mm<sup>2</sup>

**Elongation at Break:** 350%

**Application temperature:** +5 °C - +40°C.

### STORAGE

In a cool and dry place at temperatures between +5°C - +25°C

### SHELF LIFE

18 months in unopened packaging in the above-mentioned storage conditions.

### PACKAGING

Cartridges 290ml

Tubes Display box 80ml & Blister 80ml

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PACKAGING	CODE	BARCODE
WHITE 290ml	4233	5204094042334
WHITE 80ml Display Box	4234	5204094042341
WHITE 80ml Blister	4235	5204094042358

### HEALTH AND SAFETY INFORMATION

Consult recent Safety Data Sheet before application.

The directives contained in this technical data sheet are the result of our long experience from real life applications and the research testing of our research and development laboratory 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 beyond our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments. We are liable only for our products for being free from faults and of consistent quality. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. The present edition of this technical datasheet automatically cancels any previous ones concerning the same product.



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