TECHNICAL DATASHEET:
APP NAIL-FREE ADHESIVE

PRODUCT FEATURES

Nail-free adhesive is a one-component, solvent-free, high-strength modified polymer adhesive. After curing, the glue layer is elastomeric, with excellent adhesion and resistance to changes in temperature and stress. The product is eco-friendly and healthy, and fully complies with the requirements of the EU RoHS Directive.

TYPICAL APPLICATIONS

Used for general bonding, sealing and reinforcement of buildings, moisture-proof sealing, assembly and bonding of various materials, such as aluminium edges, handles, crystal plates, marble, towel racks, tissue boxes, and mirrors.
Also suitable for bonding and fixing of various wood lines, door casing, gypsum lines, floor tiles, decorative pendants and wall panels.
Bonding and fixing of all kinds of calligraphy, paintings, signage, acrylic and display cabinets.
Other DIY projects.

PROPERTIES BEFORE CURING

	Typical value	Range
Appearance	White/black/grey	
Chemical composition	White/black/grey: 1.40	1.30~1.60
Density (g/cm3) (GB/T13354-1992)	50±1	
Tack-free time (min) (25 °C,50%RH) (GB/T13477.5-20)	15	10~30

PROPERTIES AFTER CURING

	Typical value	Range
Tensile strength (MPa) (GB/T528)	3.0	≥2.5
Elongation at break (%) (GB/T528)	300	≥200
Shear strength (MPa) (GB/T7124)	2.0	≥1.8
Working temperature (°C)		-40~100

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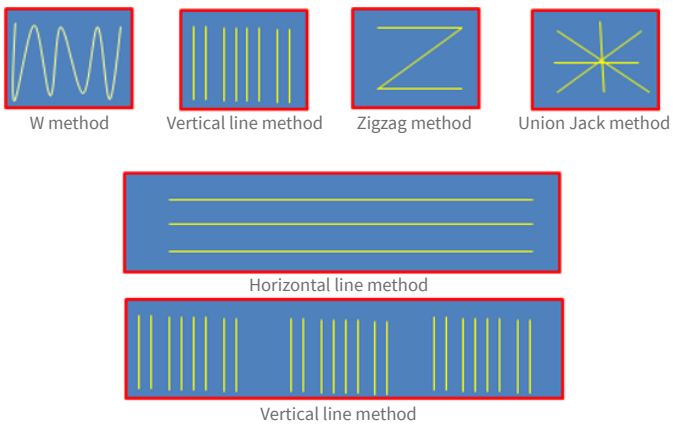
DIRECTIONS FOR USE

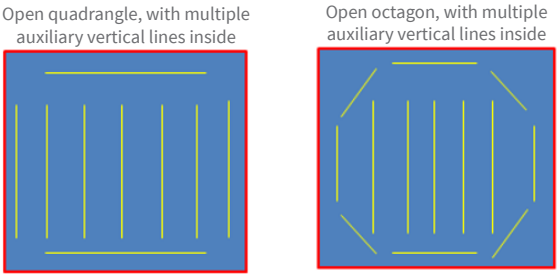
- Clean the surface of the substrate, remove water, oil and dust, keep the substrate dry, and make sure the substrate is firm, with no loose material or release agent.
- After aligning with the substrate, squeeze out the right amount of adhesive and apply it to the surface of the substrate.
- See the schematic diagram for the specific gluing method.
- Press the adhesive firmly at the bonding point. For 5~8 minutes after gluing, the bonded object can be moved slightly to adjust its position. For heavy objects, temporary support is needed until fully cured to ensure the bonding effect.
- After bonding, the glue can generally be cured in 48 hours at room temperature; if the bonded object/rack needs to bear weight or hang heavy objects, it needs to be cured for 72h or more to ensure the load-bearing effect and safety.
- Unused adhesive should be resealed immediately. When reusing, if there is a small amount of crust on the nozzle, simply remove it before use.

SCHEMATIC DIAGRAMS OF GLUING METHODS

Cannot be used as a structural sealant;
Not suitable for use on the surface of any material that exudes grease, plasticiser or solvent, such as oil-impregnated wood;
Not suitable for use in unventilated places, as the sealant needs to absorb moisture from the air to cure;
Not suitable for use on frosted or wet surfaces;
Not suitable for use in places that are continuously soaked or wet all year round;
Not suitable for use on copper, lead or galvanised metal surfaces;
Not suitable for sealing polycarbonate materials.
Not suitable for application when the surface temperature of the material is below 4°C or above 40°C; under low humidity (<50%RH) or a large day–night temperature difference (>15°C), the glue line may bulge, but this does not affect the sealing performance.

TECHNICAL SERVICE





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CAUTIONS

Store out of reach of children.
If the skin is accidentally exposed to the product, wipe with a cloth and wash with water before it cures.
If the eyes are accidentally exposed to the product, rinse immediately with water.
Use in a well-ventilated place.
Please consult the MSDS of the product for safety information.

PACKING SPECIFICATION

100 ml/piece, 100 pieces/carton
300 ml/piece, 24 pieces/carton

STORAGE

Store at 8~28°C in a cool and dry place.
Shelf life is 12 months.

NOTE

The information contained herein is believed to be reliable. Due to the wide range of actual conditions, it is impossible for us to anticipate every situation, so we cannot guarantee the correctness and suitability of our product for particular uses and purposes. Users should have a detailed understanding of the product before using it, and then decide for themselves the best way to use it.

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