



Technical Data Sheet

NAIL FREE ADHESIVE GP900

1. Product Overview

Nail-free glue provides extremely strong adhesion and can replace nails to the greatest extent possible. It allows fixing and bonding of various substrates without surface drilling, suitable for home decoration and general industrial bonding.

Key Features:

- Super strong adhesion, very high bonding strength
- Good positioning ability, allows short-term repositioning
- Wide application range, bonds most substrates
- Easy application, saves time and labor

2. Physical and Chemical Properties

Parameter	Value
Appearance	Fine, uniform paste; no bubbles, skinning or gelation
Density (g/cm ³)	1.34 ± 0.05
Sagging (mm)	Vertical ≤3, Horizontal ≤3
Extrusion rate (g/min)	≥130
Surface drying time (min)	≤15
Shear strength (N/24h)	≥850
Odor	Weak odor
Flash point	Does not flash
Flammability	Non-flammable
Color	Beige

Note: These values are typical under laboratory conditions. Actual strength properties may vary depending on substrate, application method, environmental conditions, etc.

3. Product Specifications

Standard: Q/ZFKJ 002-2020

Shelf life: 18 months when stored in a cool, dry place below 27°C

4. Application Areas

Specifically designed for home decoration, bonds most substrates including but not limited to:

- Wood, gypsum board, aluminum-plastic panels
 - Skirting boards, metal, doors and windows, glass
 - Plastics, carpet, ceilings
 - Lamps, hanging items, murals, etc.
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5. Packaging Information

Item	Details
Packaging specification	300 mL per cartridge
Packaging form	Sealed tube/cartridge

6. Storage and Handling

Storage conditions:

- Store below 27°C in a cool, dry, well-ventilated area
- Keep container tightly closed
- Avoid extreme temperatures and direct sunlight
- Keep away from strong oxidizing agents

Handling advice:

- Clean the application surface before use, ensure no oil or dust
 - Use a caulking gun to extrude the adhesive
 - Choose dry bonding or wet bonding method based on material weight
 - Uncured adhesive can be removed with turpentine; cured residue can be scraped or sanded off
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7. Safety and Compliance Information

GHS classification (GB30000-2013): Not classified as hazardous

Precautionary statements:

- P101: If medical advice is needed, have product container or label at hand
- P102: Keep out of reach of children
- P103: Read label before use

First aid measures:

- Inhalation: Move to fresh air; perform artificial respiration if necessary
- Skin contact: Rinse with plenty of soap and water
- Eye contact: Immediately flush with plenty of water; seek medical attention if needed
- Ingestion: Rinse mouth, do not induce vomiting; seek medical attention if needed

Personal protective equipment:

- Respiratory protection: Use approved respirator if ventilation is insufficient
- Hand protection: Wear chemical-resistant gloves
- Eye protection: Wear tight-fitting safety goggles
- Body protection: Wear chemical protective suit, apron, and safety shoes

Regulatory information:

Complies with the following Chinese regulations and standards:

- GB16483-2008 – Safety data sheet for chemical products
 - GB/T 17519-2013 – Guidance on compilation of safety data sheet
 - GB30000-2013 – Rules for classification and labelling of chemicals
 - GBZ 2.1-2019 – Occupational exposure limits for hazardous agents
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8. Additional Information

Brief application methods:

- **Dry bonding (for light materials):** Apply glue in a zigzag pattern with 20-40 cm spacing between lines, press together, then gently pull apart to allow solvent to flash off, then press again.
- **Wet bonding (for heavier materials):** Apply glue, then clamp or nail/screw the two surfaces together; allow to cure for ~24 hours before removing clamps. Position can be adjusted within 20 minutes.
- **Load-bearing materials:** Press together, separate for 1–3 minutes, then press again and tap into place; use support if necessary.

Quality assurance:

The manufacturer is certified under ISO9001/ISO14001/OHSAS18001 management systems and strictly follows ISO9001 quality system requirements.

Precautions:

- Adhesion decreases at high temperatures (avoid bonding metal exposed to long-term sunlight)
 - Ensure adequate ventilation during indoor curing
 - For outdoor or heavy object bonding, auxiliary mechanical fixing is recommended
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9. Disclaimer

The information contained in this Technical Data Sheet (TDS) is based on our current knowledge and experimental data, and is provided for reference only. Users must conduct compatibility tests before using this product to confirm suitability. For bonding heavy indoor or outdoor objects, additional fixing methods must be used. Since the conditions of use, application methods, and substrate types are beyond our control, we assume no responsibility for any direct, indirect, incidental, or consequential damages arising from the use of this product. The suitability of the product for a specific purpose is to be determined by the user.