



Technical Data Sheet

NAIL FREE ADHESIVE **GP1000**

Nail Free Adhesive has extremely strong bonding power and can largely replace nails, allowing for the fixation and bonding of materials such as wood, plasterboard, MDF, stone, cement, tiles, metal, plastic, and rubber without the need for surface drilling.

1 Product Features

- Superb adhesive properties and extremely high bonding strength.
 - Excellent positioning capability, allowing for repositioning within a short time.
 - Wide range of applications, suitable for most substrates.
 - Easy construction, saving time and labor.
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2 Main Applications

Specifically designed for home decoration, it can bond a variety of materials, such as:

- Wood, plasterboard, aluminum-plastic panels
 - Skirting boards, metal, doors and windows
 - Glass, plastic, carpets
 - Ceiling moldings, light fixtures, hooks and hangers, wall art, etc.
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3 Application Method

1. **Clean the application surface:** Ensure it is free of oil, grease, or dust.
2. **Prepare the caulking gun:** Cut the nozzle tip, attach the applicator nozzle, and apply the adhesive using a sealant gun.
3. **Dry bonding method** (for lighter materials and low-stress joints):
 - Apply several rows of adhesive in a zigzag pattern, with rows spaced 20-40 cm apart.
 - Press the adhesive-coated side firmly against the bonding surface, then gently pull apart to allow slight solvent evaporation.
 - Press the two surfaces together firmly again.
4. **Wet bonding method** (for heavier materials):
 - Apply the adhesive as above, then use clamps, nails, screws, or other tools to temporarily secure the two surfaces.
 - Remove the clamps after the adhesive has cured (approximately 24 hours).
 - Repositioning is possible within 20 minutes of application.
 - The bond becomes more stable within 2-3 days and reaches optimal strength after 7 days.
5. **Bonding method for load-bearing materials:**

- Press the bonded parts together, then separate them and wait for 1-3 minutes.
 - Press the parts together again, tap them into place, and secure if necessary using supports or braces.
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4 Main Technical Specifications

Table 1: No-Nail Adhesive Technical Specifications

Item	Technical Requirement
Appearance	Smooth, uniform paste; free from bubbles, skinning, or gelation.
Density / (g/cm³)	1.35 ± 0.05
Sag / mm	Vertical: ≤3; Horizontal: Not applicable
Extrusion Rate / (g/min)	≥130
Surface Drying Time / min	≤15
Peel Strength / N (24h)	≥50
Shear Strength / N (24h)	≥900

Note: The values shown were obtained under laboratory conditions. Actual strength characteristics depend on the materials being bonded, application method, contact surface area, and adhesive application conditions, and may vary accordingly.

Table 2: Other Information

Item	Content
Compliance Standard	Q/ZFKJ002-2020
Storage & Shelf Life	Store in a cool, dry place below 27°C. Shelf life: 18 months.
Color	Off-white / Beige

5 Packaging & Specification

- Content: 300 mL
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6 Quality Assurance

Our company is certified under ISO 9001, ISO 14001, and OHSAS 18001 management systems. We strictly follow ISO 9001 quality system requirements for production and quality control.

7 Precautions & Disclaimer

- Un-cured adhesive can be cleaned with mineral spirits; cured adhesive can be scraped or sanded off.
- Can be used in conjunction with floor installation.
- Bonding strength may weaken under high temperatures (avoid bonding metal surfaces exposed to prolonged direct sunlight).
- Perform a bonding compatibility test before use.
- For bonding heavy objects (indoors or outdoors), additional mechanical fastening is recommended.
- Since conditions and methods of using our products are beyond our control, users are advised to conduct tests to ensure satisfactory results before full application.
- The user assumes full responsibility for any losses resulting from improper use of the product. Our company shall not be held liable for any incidental or consequential damages arising from the application of the product. Users should determine the suitability of the product for their specific application.