

NEBOARD APPLICATION GUIDE - INSTALLATION METHODS

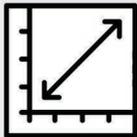
GENERAL REQUIREMENTS



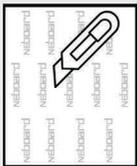
Substrate must be **flat, clean, dry, and free of dust, grease, or loose particles.**



Panels should be **acclimatized** to room conditions (18–25°C, 40–65% RH) for at least 24 hours before installation.



Always check alignment and layout before final bonding.



Cut panels from the **decorative surface side** to avoid edge chipping or delamination.



Handle with clean gloves to avoid fingerprints or stains.

INSTALLATION METHODS

Neboard decorative surface panels can be installed using four different application methods, depending on the project requirements and surface conditions.

1. Mechanical Fixing (Screws, Clips, or Frames)

Suitable for: Ceilings, large wall surfaces, or areas requiring easy disassembly.

Application:

- Drill pilot holes in the substrate and fix Neboard panels with screws, nails, or mounting clips.
- Always support corners and edges to prevent bending.
- Decorative caps or profiles may be used to conceal fixing points.

Note: Use in locations where structural safety is critical (e.g., ceilings).

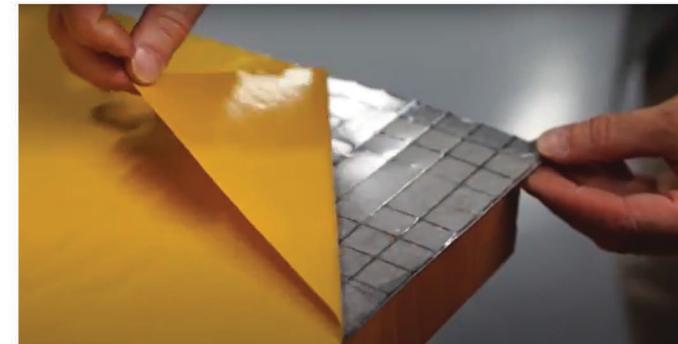
2. Double-Sided Adhesive Tape

Suitable for: Small panels, lightweight applications and temporary or quick installations.

Application:

- Neboard panels are manufactured with high-strength double-sided adhesive tape applied on the backside.
- During installation, simply remove the protective film and press Neboard panels firmly onto the substrate.
- Provides quick and clean installation without additional adhesives.

Note: This option must be specified at the ordering stage. Not recommended for ceilings or heavy panels.



NEBOARD APPLICATION GUIDE - INSTALLATION METHODS

3. Adhesive Applications

3.1 MS Polymer / PU Based

Suitable for: Permanent wall and furniture applications.

Application:

- Apply adhesive in serpentine lines or vertical strips.
- Press Neboard panel onto substrate and use spacers for alignment.
- Curing time depends on adhesive (typically 12–24h).

Note: Provides strong, long-term bonding – substrate must be dry and stable.

Adhesive Recommendations:

For permanent installations, the following hybrid polymer adhesives are recommended:

- **Selsil Ultra Tack**
- **Apel Proseries High Tack H660**

• For detailed technical information, please contact your supplier.

3.2 PVA Based

Suitable for: Absorbent substrates used in furniture applications, such as chipboard or MDF.

Application:

- Sand the backside of the Neboard panel.
- Remove dust and particles to ensure a clean surface.
- Using a roller, apply water-based adhesive evenly onto the sanded backside of the Neboard panel.
- Place the Neboard panel onto the substrate and press at **45 °C for 10 minutes under 100 bar pressure.**
- After pressing, place a weight on top of the panel and allow it to rest for 12–24 hours to ensure proper bonding.

Note: During the pressing process, cover the panel surface with a protective layer (e.g., felt) to prevent surface deformation.
Provides strong, long-term bonding – substrate must be dry and stable.



NEBOARD APPLICATION GUIDE - INSTALLATION METHODS

4. Stapling Method (Temporary or Removable Installations)

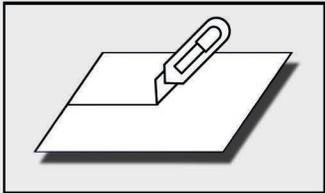
Suitable for: Retail displays, shop windows, exhibitions, or other temporary applications requiring easy removal.

Application:

- Neboard panels can be fixed using a pneumatic stapler or manual staples on concealed edges or non-visible areas.
- Easy to remove and re-install if necessary.

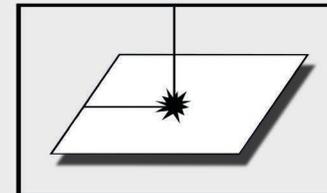
Note: Not intended for permanent decorative wall or ceiling applications.

PROCESSING INFORMATION



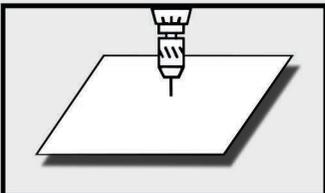
1. Cutting

- Neboard panels can be cut using standard woodworking tools (e.g., circular saw, jigsaw, CNC saw).
- For best results, cutting should always be performed from the decorative surface side to prevent chipping or delamination.
- Use fine-toothed blades and moderate feed speed for clean edges.



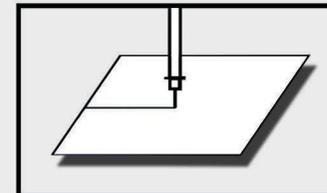
3. Laser Cutting

- Panels can be cut with CO₂ or fiber laser systems.
- Laser cutting provides high precision and clean edges, particularly for intricate patterns and perforations.
- Heat-affected zones may vary depending on panel thickness and surface finish.
- Preliminary tests are recommended to adjust power, speed, and focus settings.



2. Drilling

- Holes can be drilled using standard wood drill bits.
- Always drill from the decorative surface side.
- Use moderate speed and avoid high pressure to prevent cracking.
- Recommended for cable outlets, screw holes, and concealed fixings.



4. Milling

- CNC milling allows grooves, chamfers, and surface engraving on panels.
- Suitable for custom decorative patterns and 3D detailing.
- Use sharp cutters and appropriate feed speeds to avoid burning or rough edges.
- Dust extraction is recommended during processing.

NEBOARD APPLICATION GUIDE - INSTALLATION METHODS



WARNINGS AND IMPORTANT NOTES

- Neboard panels are designed **for interior use only**.
- Direct contact with water is not recommended.
- Always ensure that the substrate is **clean, dry, and free of dust, grease, or surface irregularities** before installation.
- All processing operations (cutting, drilling, milling, etc.) should be performed **from the decorative surface side** to avoid chipping or delamination.
- Before mass processing, always perform a **test cut on a sample panel** to confirm tool compatibility and finish quality.
- It is recommended to leave an expansion gap of **2–3 mm between Neboard panels** to allow for thermal movement.
- Products are supplied with a **protective film**. This film should not be removed until installation is completed.
- **For cleaning, maintenance, and packaging & transfer instructions, please refer to the relevant documents provided by the manufacturer or visit www.unmar.com.tr**

The application steps and recommendations described in this document are provided as general guidelines based on typical conditions and experiences with Neboard decorative surface panels. Actual performance and results may vary depending on the substrate type, ambient conditions (temperature, humidity), adhesive type, equipment used, and the skill of the installer.

It is the responsibility of the installer and/or end user to ensure that the chosen installation method, adhesive, and substrate are suitable for the intended application. Prior to full-scale installation, a preliminary test on a small area is strongly recommended.

Neboard panels are designed for interior decorative purposes only and are not intended for structural use or direct exposure to extreme environmental conditions. The manufacturer does not assume liability for damages, failures, or defects resulting from improper installation, unsuitable substrate preparation, incorrect adhesive selection, or non-compliance with the recommendations provided herein.

For project-specific solutions, technical support, or detailed adhesive information, please consult your adhesive supplier or contact the manufacturer.

UNMAR İç ve Dış Tic. San. Ltd. Sti.

Fikirtepe Mah.Özbey Cad. No:63 34720
Kadıköy / İSTANBUL / TÜRKİYE
T.+90 216 326 12 13

info@unmar.com.tr | www.unmar.com.tr

UNMAR | 082025 | V01