

Rigid — WALLS

by lalegno 

INSTALLATION MANUAL

MEGA PANELS

2800 x 900 x 5 mm

This guide has been created to assist users by providing essential information for the proper selection, storage, and installation of the product. It applies to Rigid Walls waterproof wall panels, which are part of the latest generation of SPC (Stone Plastic Composite) wallcoverings, designed for indoor use in both residential and commercial spaces.. Thanks to the advanced technologies used in its production, the product offers exceptional performance and quality standards, which are detailed in these instructions for use.

- General information

- Rigid Mega panels are designed for indoor installation. The product is suitable for finishing wall surfaces in both dry and wet areas. Proper installation and maintenance are essential for ensuring long-lasting use.
- Thanks to the tongue and groove system, the panels fit together perfectly and guarantee a smooth, seamless finish. Ideal for use in bathrooms, showers or kitchens.
- The manufacturer is not responsible for any damage resulting from incorrect installation or unsuitable assembly conditions. For best results, panels from the same production batch should be used during installation.
- It is advised to include an additional 10% of material to account for cutting and waste.
- Ensure the Mega panels are stored in the installation area for at least 48 hours prior to installation to allow them to acclimate to the environment.
- The room temperature must be maintained between 15°C and 25°C.
- Rigid Mega Panels are covered by a 10-year guarantee against manufacturing defects following the date of purchase. Our warranty covers the replacement of all defective panels which have been acknowledged by us as such with existing wall covering of equivalent or similar quality at the time of the complaint. The cost of removal and installation of the replacement product is excluded from our warranty. This warranty only applies to goods supplied in their original packaging. Goods on sale are explicitly excluded from this warranty.
- Attention: see page 5 for recommended types of adhesive.
- Any genuine complaint must be made in writing, providing full details of the complaint. This complaint must also include proof of the claim, e.g. samples, photographs, etc. Rigid floors reserves the right to check and examine the products involved upon receipt of the complaint in order to determine whether the complaint is justified, both in terms of its merits and the amount claimed. The claim must be made within 7 days of the fault in question becoming apparent. This warranty is only valid if the products have been installed and maintained as described in the general installation instructions on the Rigid Walls Mega Panels website. As a rule, the products are only suitable for indoor use.
- There is no guarantee as to impact strength, abrasion resistance, scratch resistance, stain resistance, performance under extreme temperatures, humidity or variable air composition, or resistance to water penetration, as these are related to the use of the product.

- Substrate requirements

Wood (Plywood, OSB):

Wooden surfaces must be securely attached to the underlying structure. The substrate must be stable, dry, clean, free of grease, and devoid of cracks, bends, or any surface irregularities.

Concrete, Brick:

Any surface irregularities should be smoothed by sanding. Use an appropriate filler to fill any gaps, then finish the surface. The substrate must be properly cured and hardened before applying the adhesive.

Ceramic Tiles, Terrazzo, Stone:

Do not install on loose or poorly fixed tiles. The tile surface must be thoroughly cleaned and degreased before applying the adhesive.

Leveling the Substrate:

The substrate should be as level as possible. Any uneven areas should be corrected, ensuring no more than a 2 mm difference over a 1-meter span.

- Waterproofing (only for installation in wet rooms)

Waterproofing, also referred to as moisture-resistant or water-repellent insulation, protects the substrate from water damage. It is essential to waterproof walls to a minimum height of 2.0 meters. Waterproofing can be achieved using a sealing mat.

When applying waterproofing, it is crucial to strictly follow the manufacturer's instructions for the specific product used.

Waterproofing with Sealing Mat

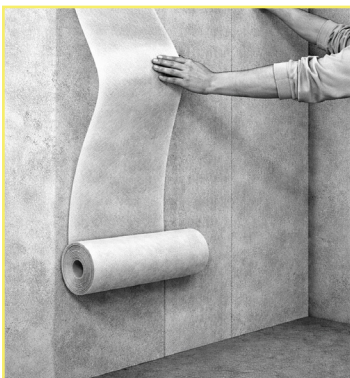
Start by applying a highly flexible C2-class adhesive to the substrate.

Press the sealing mat onto the fresh mortar layer, smoothing it from the center towards the edges to avoid the formation of bubbles. Ensure the strips of the mat overlap by at least 5 cm.

Seal the corners and expansion joints by applying sealing tape with polymer-based sealing adhesive.

For inside and outside corners, use prefabricated corner pieces to seal properly.

Allow the adhesive materials to cure according to the manufacturer's recommendations before proceeding with further installation.



- Installation

PRE-INSTALLATION INSPECTION

It is the duty of the person installing the walls to inspect all wall panels before installation. If during inspection the installer or buyer feels the walls are the wrong color, improperly manufactured, off-grade, or the wrong gloss level, he/she should NOT install the wall panels. Please immediately contact the retailer from which the wall panels were purchased.

Check the batch number on the packaging of the delivered wall panels before installation to ensure they are identical. It is recommended to use only boxes with the same batch number in one room to avoid any color or gloss differences within a surface.

Installation implies acceptance:

Rigid Mega Panels can only guarantee that the products themselves are waterproof. The waterproofing of joints between the products and with the products is the sole responsibility of the installer. Therefore, Rigid Mega Panels cannot be held liable for any damage resulting from this.

The Rigid Mega Panels warranty applies without prejudice to any official, legal guarantees to which the purchaser of the product is entitled under various legislations.

This warranty is valid until such time as it is replaced and is subject to the conditions set out in Rigid Wall's general terms and conditions of sale, which can be obtained upon simple request.

Storage

Store the boxes in the room where the panels are to be installed at a temperature between 15°C and 25°C (ideally 20°C), at least 48 hours before installation.

Make sure the material is in good condition prior to installation. Any complaints about possible aesthetic shortcomings (stains, burns, shocks, etc.) after the installation of the product are not covered by the warranty.

Possible uses:

In homes (kitchen, bathroom, living room, bedroom, etc.)
Professional purposes (office, sports hall, retail space, etc.)
Prefab accommodation (mobile home, caravan, boat, etc.)

REQUIREMENTS

- **Basic tools:** band tape, knife, pliers, ruler, screw, rubber hammer, rubber gun, hole saw, notched trowel nr 3 and sealant silicone (Sanitary silicone).

NON-DAMP AREAS (e.g. bedroom, living room, ...)

DAMP AREAS (e.g. bathroom, ...)

GLUE:

Montage glue: **Emfimastic high power adhesive**
(One-component, high-viscosity elastomeric sealant, based on silane-terminated polymer and with high immediate adhesion properties)

GLUE:

Trowelable adhesive : **Hybrid polymer Parabond panel & decorative adhesive**
(one-component adhesive) - 700gr/m²

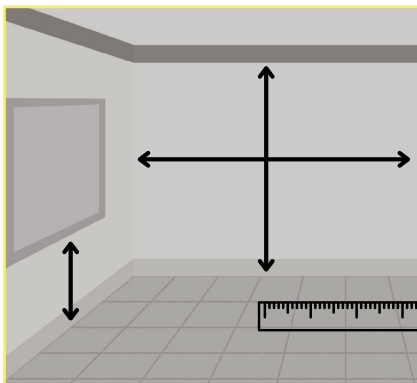
*Both options have been tested by us and are equivalent.

• Auxiliary materials:

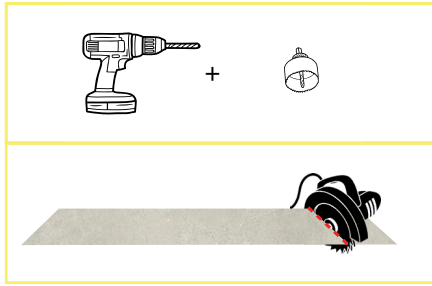
Crowbar: when installing the wall panel, you can adjust the horizontal gap with this.

- **Profiles:** Make sure you checked which kind of profiles you'll be needing for the installation according to the room where you are installing the Mega Panels.

1. Take note of all the necessary natural dimensions of the walls you intend to cover with Mega Panels. Identify areas where full panels can be used, considering the desired visual arrangement, joint pattern, and possible orientation of the design.

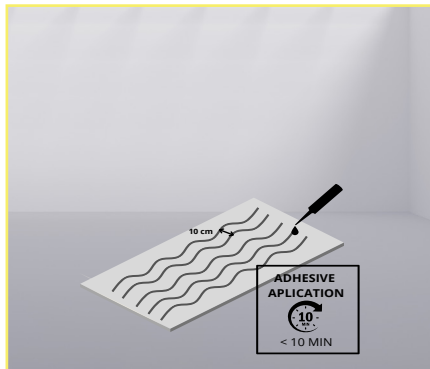


2. Use a hand-held circular saw with a guide rail to cut the panels to the desired size. We recommend using saw blades with a high tooth count, such as a 165 mm blade with 56 teeth or a 350 mm blade with 108 teeth, for clean cuts. When cutting, ensure the decorative surface faces upward. If the wall has sockets or other installation components, create the necessary recesses before installation using a hole saw or jigsaw, depending on the shape. Finally, smooth the cut edges with 180-grit sandpaper for a clean finish.



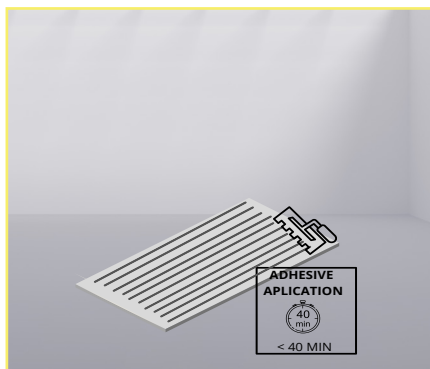
3. Clean the cut panels thoroughly. The back of the panel, where the adhesive will be applied, must be dust-free, dry, and grease-free to ensure proper adhesion.

4. Apply the adhesive to the back of the panel or directly onto the wall surface. If using a cartridge, (universal Lalegno montage glue or emfimastic high power adhesive) apply the adhesive in vertical strips spaced 10 cm apart, avoiding spot application. For areas with cutouts, such as sockets, ensure the adhesive is applied around the entire hole for a secure bond. The adhesive's open time should not exceed 10 minutes, meaning the panel must be firmly attached to the wall within this period.

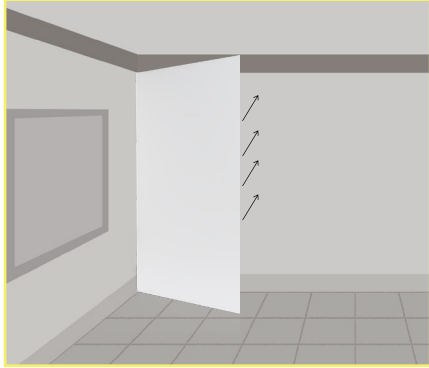


4.1.

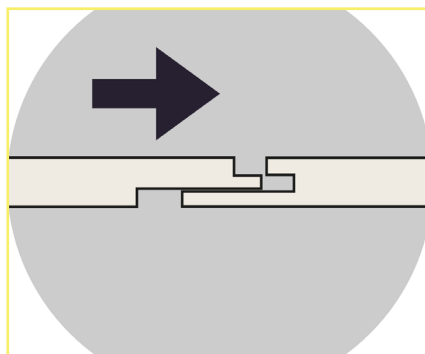
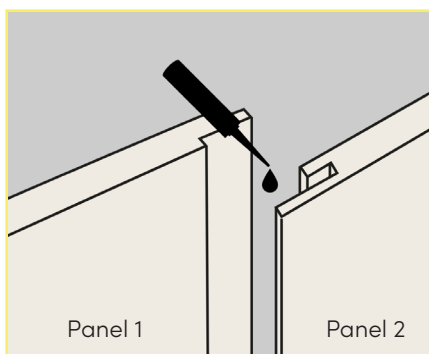
Apply the adhesive (e.g. Parabond or rigid SPC glue) evenly to the back of the panel or directly to the wall surface ($700\text{gr}/\text{m}^2$). Ensure that the entire surface is covered by spreading the adhesive with a spatula. Use a notched trowel no. 3 for this. Avoid selective or uneven application of the adhesive, as this can negatively affect adhesion and watertightness.



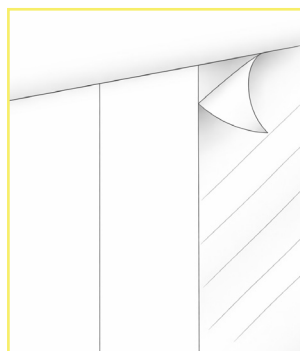
- 5.** Once the adhesive is applied, position the panel against the wall and press firmly. Ensure an expansion joint of 1 mm in the corner.



- 6.** After fixing the first panel with adhesive, apply sealant silicone into the groove of the second panel. Align the adjoining surfaces when installing the next panel. Then continue with the installation of the remaining panels. At a corner, cut off the tongue in order to make the corner watertight. Make sure the panels are level and aligned with each other.



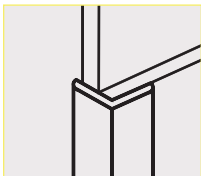
- 7.** The adhesive bonding process takes 24–48 hours, depending on the ambient temperature and humidity. Higher temperature and humidity levels accelerate the polymerization process. Maintain proper ventilation until the adhesive is fully bonded.



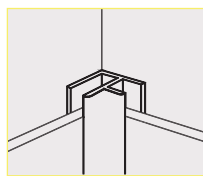
8A. Fill the joints using a flexible material such as sealant silicone, or install rigid wall profiles. Before applying the joint material, protect the surfaces adjacent to the joint with tape. This will speed up the grouting process and prevent the surfaces from getting dirty. All interior corner joints, whether vertical or horizontal, must be finished with a sealant silicone. Wipe the silicone off with a cleaning agent.



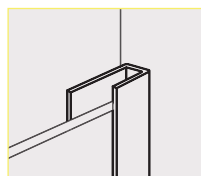
8B. Install the profiles simultaneously with the panels, using the sealant silicone. During assembly, fill the inner surface of the profiles with sealant silicone to ensure a sealed joint between the profile and the panel.



Outside profile



Inside profile



End profile

FINISHING THE JOB

Inspect your work, as it will cost you more if you have to come back to do a repair later. Replace original baseboards, or install matching clic-skirtings.

– WALL MAINTENANCE

Avoid using soap-based cleaners, waxes, or rinse aids, as they can stick to the surface and leave hard-to-remove streaks. Refrain from using abrasive cleaners or bleach, as they may scratch or dull the panel surfaces.

Do not mount heavy objects such as coat racks, light fittings, mirrors, etc. directly onto the panels. Instead, drill holes through the panels and use purpose-built screws and wall plugs to fix these objects securely to the supporting wall.