

# INSTALLATION INSTRUCTIONS WATERWALL

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**1** **TOOLS NEEDED:** Steel square, Spirit level, Handsaw and mitre box or electric mitre saw, Stapler, Drill, Hygrometer, Hammer, Tape measure and/or fold meter, Chalk line, Level lath

## BEFOREHAND

Read the installation instructions fully and make sure you understand them fully before starting installation. Watch our installation video on [www.maestro-panel.be](http://www.maestro-panel.be). Make sure you let the Maestro Waterwall panels acclimatise for at least 48 hours at room temperature before using them. When installing make sure the humidity is higher than 40% with a maximum of 60%.

## 2 ATTENTION

- Always immediately remove the protective layer after installing the panel so that you can check for any defects or visual imperfections on the surface.
- Apply silicone in between the panel's underside and the base profile.
- Always make sure that the base profiles are connected at the inner corners
- Use silicone in between the panels in wet areas or where direct contact with water is possible.
- Always install panels with the groove upwards. The attachment lip is always at the right hand side of the panel.

## HOW TO ASSEMBLE A WOODEN FRAME

- 3** Install a wooden trellis to which the wall will be fixed. The Waterwall panels are installed vertically. The wooden batten must therefore be installed horizontally.
- 4** Fix the battens against the wall with screws and plugs and make sure they are 40 cm. (16") apart from centre to centre.
- 5** Make sure the trellis is level using a level lath and/or a level laser.
- 6** In the corners you need to install wooden supports for attaching the inner and outer corner profiles.
- 7** Make sure that the room where the Waterwall panels will be installed is sufficiently dry. A relative humidity of max. 50% must be respected. This percentage equals the ideal humidity of a healthy and hygienic interior climate. The room in question must be dry, free of draught and must have doors and windows. Moreover, this room must have the ambient temperature of a place where people usually live in.

## PREPARATIONS

- 8** Open up the packs with a knife and let them acclimatise for 48 hours in the room where they will be installed. Read very carefully the installation instructions and make sure everything is clear and understood. In order to be better prepared, consult the installation videoclips on the Maestro website

## HOW TO ASSEMBLE THE BASE PROFILES

- 9** Make sure that all base profiles are fitted perfectly level in the whole of the room in order to avoid height differences between the panels. It is preferable to use a laser level for this procedure. Treat the rear side of these base profiles with a sealant and screw the base profiles to the wall (every 60cm. (24")).
- 10** The base profiles must connect perfectly and there must be no space left under the inner corner profile.

## HOW TO ASSEMBLE THE INNER CORNER PROFILES

- 11** The inner corner profile consists of two components, the main part and a little rod. The main part must be screwed to the frame. Make sure the main part is screwed perfectly level. Screw the main part to the frame. After assembly, the cover rod is pushed on top of it (see below).

## HOW TO INSTALL THE PANELS

- 12** Installing the first panel: Always install panels clockwise. Place the first panel on top of the base profile and make sure it is perfectly level. It is advisable to use a high quality spirit level and/or laser level. Screw the panel to the batten in the frame.

- 13** Installing the following panel: Install the second panel by placing it at the right hand side of the already installed panel's groove and click it onto the frame. If there is the possibility that water can be spilled (wet area), apply sealant on top of the first panel's lip. Superfluous sealant can be removed using a damp cloth. Screw the panel to the wooden frame's batten. Continue installing the panels until you have reached the last panel of this wall.

- 14** Install the last panel of a wall with transfer to an inner corner profile: Measure the width of the edge of the previously installed panel up to the pin of the already installed inner corner profile. Cut the panel to its correct width. When it can be expected that water can be spilled, apply sealant to the groove of the previously installed panel. Make sure the panel is installed level. Install the wall's last panel.

- 15** Installing The first panel of the second wall, starting from an inner corner profile: Place the first panel of the second wall against the inner corner's profile. Make sure your panel is placed perfectly vertical and screw it into the wooden frame's batten. Continue installing all panels right up to the last panel.

- 16** Installing the last panel of a wall with transfer to an outer corner profile. Place the outer corner profile on the (dry) batten's corner. Measure the distance from the edge of the previously installed panel right up to the inside of the groove in the outer corner profile. Remove the outer corner profile and cut the panel to the correct width.

- 17** Apply sealant to the groove of the corner profile and to the right hand side edge of the panel. Push the corner profile onto the edge of the panel. Install the panel together with the outer corner profile.

- 18** Screw the outer corner panel into the frame's batten.

## HOW TO FINISH OFF THE INNER CORNER PROFILE

Apply sealant to both sides of the groove of the inner corner profile. In order to attach the cover profile it is best to use a rubber hammer and its optional tapping block. Avoid hitting the profile directly. Sealant shall be visible at both sides of the rod after cover has been carefully applied. Superfluous sealant can easily be removed using damp cloths.

## HOW TO SEAL THE SPACE BETWEEN THE PANELS AND THE BASE PROFILE

Apply masking tape along the panels' underside. Apply sufficient sealant in the space between the base profile and the panels so that the sealant is visible. Use a scraper to ensure a smooth transfer from the panels to the base profile. Remove the masking tape. Apply sealant to the corner profiles' underside.

## OPENINGS FOR LEADS

- 19** When installing panels where leads will go through holes in the panels, these holes must be cut before installing the panels. Use a drill with the correct drill bit in order to make holes with a diameter at least 10mm bigger than the lead itself. Apply sealant around the lead!

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## CEILINGS HIGHER THAN 240 CM (OR 8 FOOT)

**20 21 22** The Maestro Waterwall panels have a standard height of 240 cm. When the ceiling is higher than that, these panels can be extended with the optional Extension Boards. They are 30cm. (1 foot - 12") high. These extension boards have a closure tongue at the underside of the board and a groove at their topside. Apply sealant along the groove at the top of the bottom panel before installing the extension board on top of it. Install the panel and the extension panel as one unit.

## CONNECTION WITH THE CEILING

Leave a distance of more or less 5 mm between the Maestro Waterwall panels and the ceiling. Cover the hole between wall and ceiling with skirting board.

## CUT PANELS - ENSURE A SMOOTH FINISH

Handsaw – decorative side upwards. Apply pressure when cutting downwards.  
Circular saw / jigsaw - decorative side downwards. Use a stable base. Use a stable base when cutting.

## STORING, USE, MAINTENANCE AND CLEANING

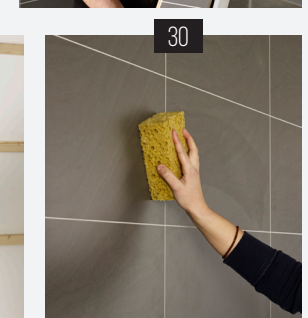
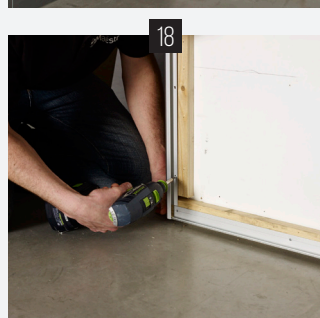
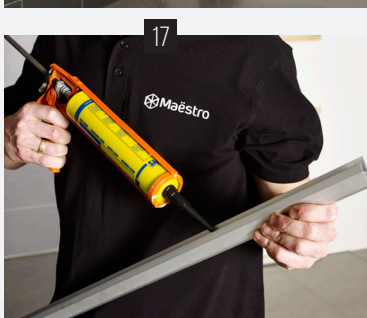
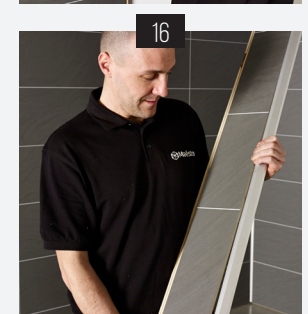
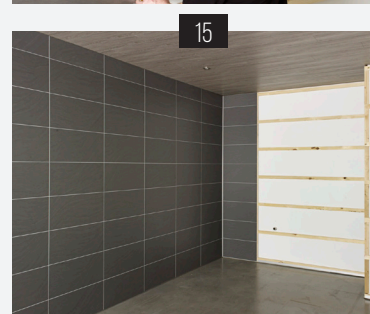
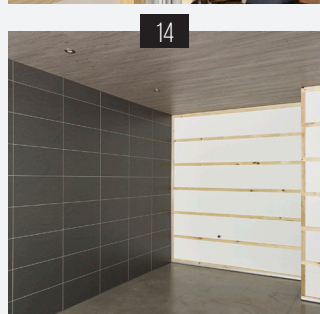
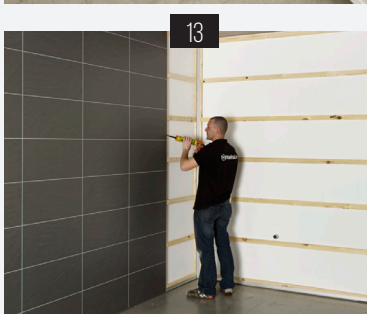
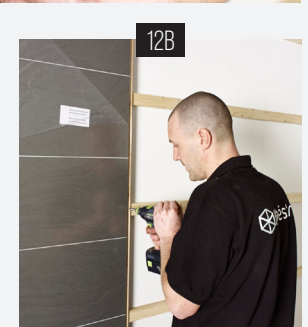
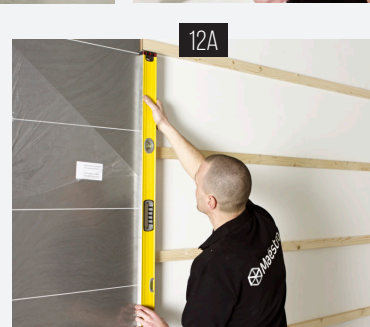
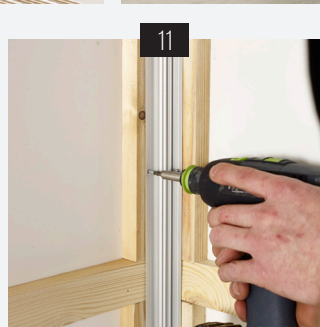
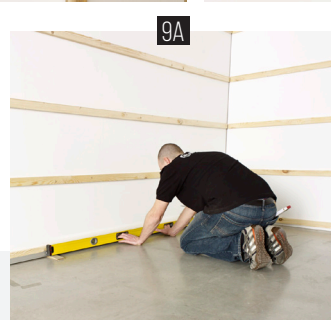
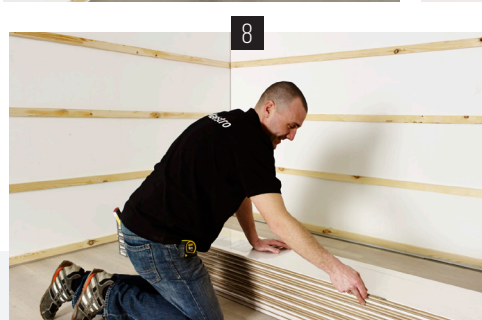
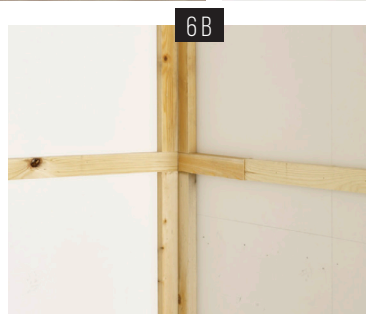
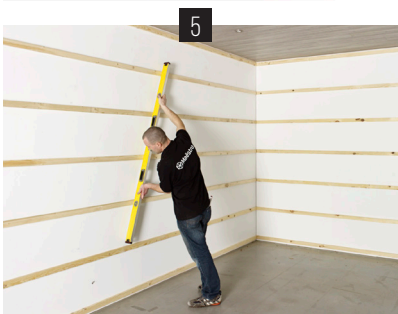
- Maestro Waterwall panels must be protected against rain or snow when storing or transporting
- Maestro Waterwall panels must be stored horizontally, kept dry and must be stored on a level surface with their decorative sides facing one another in order to avoid any damage to these surfaces.
- Lift the panels one by one in order to avoid scratching the decorative surface.
- Sealant which is not yet hard, can easily and safely be removed with damp cloths.
- Hard sealant must be removed with plastic scraper and afterwards cleaned with white spirit.
- Maestro Waterwall panels' surface is maintenance free. Clean the surface regularly with a cloth or soft sponge in lukewarm water and a little bit of synthetic detergent

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**Photo's on the next page.**

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## EXTRA : BONDING MAESTRO WATERWALL TO EXISTING WALLS

### PRELIMINARY REMARK:

This document is a supplement to the existing installation instructions. Please read the general installation instructions first before deciding to bond the Waterwall panels to an existing wall instead of using an assembly on a timber frame.

### INSTRUCTIONS:

- Allow the Waterwall panels to acclimatise in the space for at least 48 hours so that the materials can adapt to the ambient temperature and humidity.
- Verify that the existing wall is dry (less than 2% moisture). If this is not the case, the wall must be damp-proofed to prevent damp from the walls from damaging the panels. You will find a suitable primer and adhesive in the better trade outlets.
- For bonding, use Soudabond Easy (Soudal) or Bostik Maxibond (see below)
- For mounting, you need wall plugs, stainless steel screws and a masonry drill (6 mm).

**1** / Clean the wall and make sure that soap residues, dirt and grease are removed.

**2** / Apply a damp-proof primer and adhesive to the existing wall, and allow enough time to dry (read the supplier's instructions). This mandatory pretreatment prevents wall moisture or rising damp from damaging the Waterwall panels from the back.

**3** / Position the Waterwall panel without applying adhesive (dry mounting) and drill holes through the attachment clip at the top, centre and bottom (3) into the wall (2 mm).

**4** / Remove the Waterwall panel and enlarge the drill holes with a 6 mm masonry drill. Insert the wall plugs into the drill holes.

**5 a** / Straight and even walls and/or existing tiling:

Adhesive to be used: BOSTIK Maxibond

Apply adhesive to the wall in horizontal movements at an intermediate distance of max. 40 cm. Where the wall is not perfectly straight, apply enough adhesive to compensate for any unevenness and to guarantee bonding.

**5 b** / Uneven walls:

Adhesive to be used: Soudabond EASY (Soudal)

Apply adhesive to the back of the panels following the pattern shown on the sketch below: a perimeter at a distance of 5 to 10 cm on each side. Fill in the areas by

applying the adhesive crosswise. Where the wall is extremely uneven, apply enough adhesive to compensate for large unevenness and to guarantee sufficient bonding.

**5 c** / Walls with uneven surface levels (e.g. a wall partly covered with tiling):

Adhesive to be used: BOSTIK MAXIBOND and/or Soudabond EASY (Soudal)

Level the wall by fixing wooden battens with the same thickness as the tiles. Apply BOSTIK Maxibond adhesive to the tiles and the wooden battens. If there is too much space between the wall and the Waterwall panel, apply Soudabond Easy in addition. This guarantees better bonding of the Waterwall panels.

**5 d** / Walls with poor bonding quality (e.g. loose plaster / tiles):

If the quality of the walls cannot guarantee proper bonding, a timber framework will have to be used. For this, see the regular Waterwall fitting instructions, which you will find on the back of the insert folder.

**6** / Remount the Waterwall panel, ensure that the drill holes correspond and fix with screws. Make sure that the screws are not tightened too much to avoid excess stress and to prevent damage to the attachment clip.

**7** / Repeat steps 1 to 6 for the following panels.

**TIP 1:** For the fast attachment of the aluminum finishing profiles, you can also use Soudal Turbo adhesive with a short curing time, instead of the traditional fixing method with plugs and screws.

**TIP 2:** Always use sanitary silicone between the panels (seams) and when installing the finishing profiles, in order to guarantee watertight installation. Do this in accordance with the general fitting instructions, which you will find on the back of the insert folder.

