

A close-up photograph of a person's hand pointing to a white, rectangular moulding piece. The moulding has a textured surface and is being held against a wall. The background is slightly blurred, showing other moulding pieces.

LIGHTWEIGHT
MOULDINGS

INSTALLATION GUIDE

Your guide to installing **Lightweight Mouldings** products efficiently and professionally, whatever your project

www.lightweightmouldings.com

LIGHTWEIGHT MOULDINGS

GENERAL INSTALLATION GUIDE

We recommend that your Lightweight Mouldings are installed by a competent general builder/contractor, who is experienced in the installation of external mouldings of all types.



DELIVERY ADVICE

- ✓ Check your delivery - if you notice something missing or damaged, please contact Customer Care immediately.
- ✓ Any transport related damages should be recorded on your delivery note. If possible, a picture record should be taken of the damaged item and sent to our customer care team on +353 21 201 9056.
- ✓ Small scratches and nicks in the resin coating can occur. These small imperfections can be filled, buffed out with fine sandpaper and re-sealed or painted.

STORAGE ADVICE

- ✓ Take care to avoid damage to products during their unloading and storage.
- ✓ The products must be stored on a level surface and protected from dirt and moisture.
- ✓ It is recommended that products be stored in an interior space with a normal moisture level.
- ✓ In the event that products must be stored outside, they should be protected against the elements (direct sunlight, rain, etc.).
- ✓ Products must be flat prior to installation – any curving that may occur due to transportation or poor storage must be addressed prior to installation to ensure good bonding and correct fitting.
- ✓ Please contact our technical team with any queries prior to installation on +353 21 201 9056.



**Our product range
is super lightweight,
making it easy to
handle and
quick to install**

AFTERCARE

Your product should to be maintained regularly to ensure optimal performance.

Please refer to the Lightweight Mouldings Maintenance Guides for further support and best practice in caring for your product.

PREPARING FOR INSTALLATION

All Lightweight Mouldings products can adhere to concrete, engineered timbers such as plywood or OSB, finished exterior plaster and render. We recommend fixing with low expansion foam.

If fixing the product in unfavourable weather conditions such as strong winds or rainfall, it is recommended to use sheltered scaffolds where possible to keep both the mouldings and low expansion foam dry.

Our products are light, so applying moulding supports is not generally required for most small and medium sized mouldings.

However, in the case of larger profiles such as string course and soffit mouldings, supports can of course be used to assist until the low expansion foam sets.

Screws or nails can be used as a mechanical fixing, but must be removed after the low expansion foam sets and the mouldings are fixed. Screws or nails left in fixed mouldings can rust and discolour the finish, or lead to the moulding cracking over time.



INSTALLATION TOOLS

Practical tools to have to hand include:

- ✓ Passive Sills Adhesive / Low expansion foam
- ✓ Good quality, wide toothed saw
- ✓ Calibrated Passive Sills tape measure
- ✓ Passive Sills sealer
- ✓ Laser level
- ✓ Square and pencil
- ✓ Course sanding pad



STEP BY STEP STANDARD INSTALLATION

1

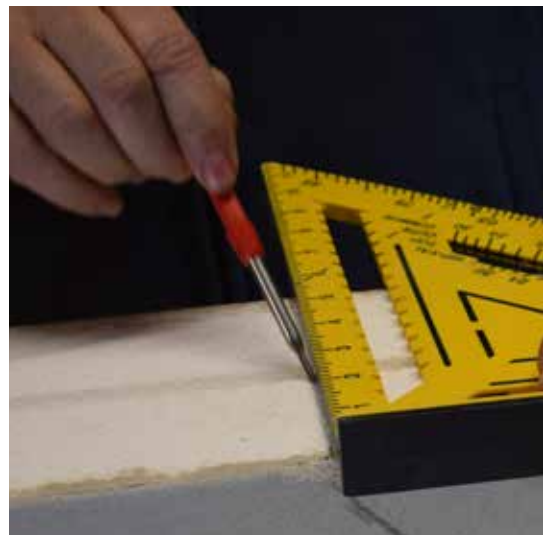
When installing a Lightweight Moulding product, it is important to measure accurately, prior to cutting and fixing the moulding.



2

Once lengths have been measured, they can be cut or mitred according to requirements. Scribe cutting is recommended - this involves marking to measure, directly on the profile, to create a line to cut on as a guide.

For a straight edge, mark the line to cut as a guide and cut the profile easily using a wide toothed saw. For a mitred edge, see page 7 of this guide.



3

Once the required length is measured and cut, double check the fit, noting any areas that require sanding to fit neatly or any minor gaps that may require filling after installation.



4

Before installing the length of moulding, remember to clean surfaces of all contaminants, e.g. dust, dirt, grease, paint residues, water etc. The flatness of surfaces should be checked and any excessive irregularities must be made good prior to installation, to ensure that the mouldings are installed with a smooth, in-plane finished surface.

Next, apply a thin but even layer of low expansion foam with a gun to the back of the profile.



5

Carefully install the length of moulding in position and check levels if needed using a level.

Our mouldings are light, so applying supports is not generally required for most small and medium sized profiles. For larger profiles, such as string course or soffit mouldings, support screws or nails can be used as a **temporary** mechanical fixing.

Please remove support screws/nails after the low expansion foam sets and the mouldings are fixed.



6

Finish by filling in any gaps along joins or edges and sand smooth. Or, for a more traditional finish, rub joints with finger tip or pointing tool to emphasise the joint.

Once filling has dried, profiles must be sealed or painted to protect from the elements. Please see the Lightweight Mouldings Maintenance guide for long-term maintenance advice.



USEFUL POINTS TO NOTE



If desired, high quality, water based external paint can be applied to mouldings. Apply a watered down coat of your chosen paint to prime the mouldings and then apply top coats in thin layers to prevent cracking.

Profiles should be covered after installation if other construction is continuing. It is recommended that mouldings are fitted after rendering, to avoid any potential water ingress. It is best practice to ensure the building is 100% water tight before carrying out application of mouldings.

Water can get behind standard stone mouldings, which can then freeze and lead to cracks and breaks in the stone profile. Our high density EPS core mouldings are extremely flexible and are designed to move and expand with water and won't break during icy periods.

SPECIALISED INSTALLATION

HOW TO MITRE LENGTHS OF MOULDING

For mitred joints for windowsills, each individual length measurement needs to include a surplus for mitring the lengths together on site.

To work out the required surplus length, add the width of the moulding onto the length measurement once if mitring one end only, and twice if mitring both ends of the moulding length for installation.

Scribe cut the length of moulding, marking all edges and cut using a wide toothed saw.

Fit as described above.



HOW TO FIT WINDOW REVEALS

Fitting window reveals is a methodical process.

Follow the steps below to ensure a precise fit and good quality finish.

If you have any concerns or difficulties during the fitting process, please contact our technical team who will be happy to assist you on +353 21 201 9056

1



Fit to sill top first - hold moulding to sill and note the sill edge gap

2



Scribe cut straight edge and sand to fit, continuing to check against sill top

3



Measure to top corner

4



Mark mitred edge on side reveal

5



Cut mitred edge with wide toothed saw and double check against reveal

6



Assess reveal width to work out mitred corner required

7



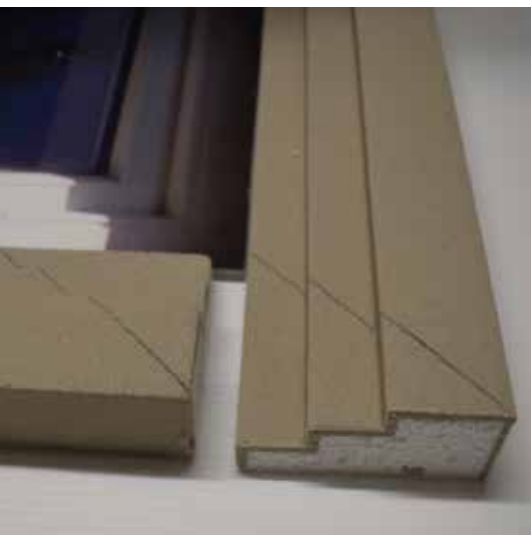
Measure side reveal width

8



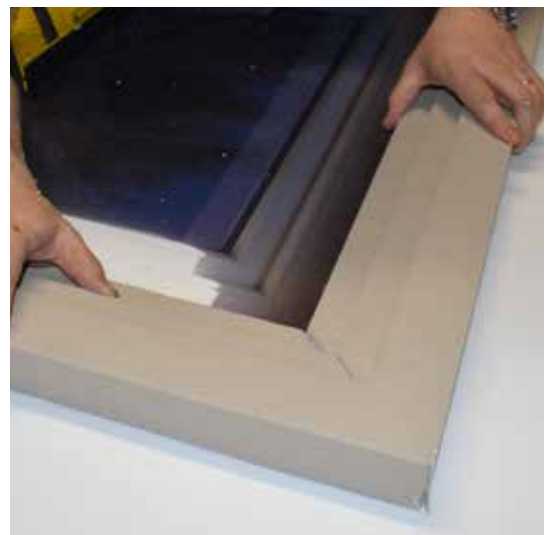
Measure top reveal width

9



Mark mitred widths to be cut on each piece, side width to top piece and vice versa

10



Cut as before and double check fit

11



Fit in place using low expansion foam and gun and check levels

12



Thumb in resin to seal gaps - take care to check the entire moulding surface

13



Sand and smooth any filled areas when dry and take care to remove support fixings if used

14



Seal or paint as required

INSTALLING HYBRID MOULDINGS (e.g. door surrounds)

Lighter hybrid mouldings can be measured, cut, mitred and installed in the same manner as standard mouldings, using low expansion foam as with resin finishes.

For mouldings such as door surrounds and soffit mouldings, where the profiles are heavier or coated at the back, we recommend using low expansion foam or Passive Sills profile adhesive to fix the mouldings in place.

Paint finishes can be applied once the adhesive product is dry.

* Terms & Conditions apply



TERMS & CONDITIONS

Lightweight Mouldings products come with a 10-year warranty*, provided products have been correctly installed and regularly maintained. Our warranty does not apply in the following circumstances:

ANY DAMAGE / MODIFICATION TO THE PRODUCTS RESULTING FROM:

- x Negligence or incompetent storage or handling of product
- x Failure to install the products in accordance with installation guidelines
- x Tampering with the composition of the product
- x External factors not due to the product, in particular force majeure, subsidence of the building, organic contamination, heavy contamination of the facade surface resulting from the unfavourable location of the building
- x Contractor's errors at point of installation

All information in this guide, including product descriptions, materials, technical properties, design, visual appearance and illustrations are property of Poly Passive Holdings Ltd, trading as Lightweight Mouldings Ltd.

All illustrations in this guide are to be considered merely descriptions, not exact technical drawings. Schemes provide only general principles for installation.

All specific materials, methods, positioning of the products in wall construction etc. depends on the wall construction and may be different from what is found in illustrations in this guide.

It is assumed that installation is done according to general good practices of construction works.

Poly Passive Holdings Ltd hereby reserve the right to make changes in product descriptions, materials, technical properties, design, visual appearance, illustrations etc. without prior notice.



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