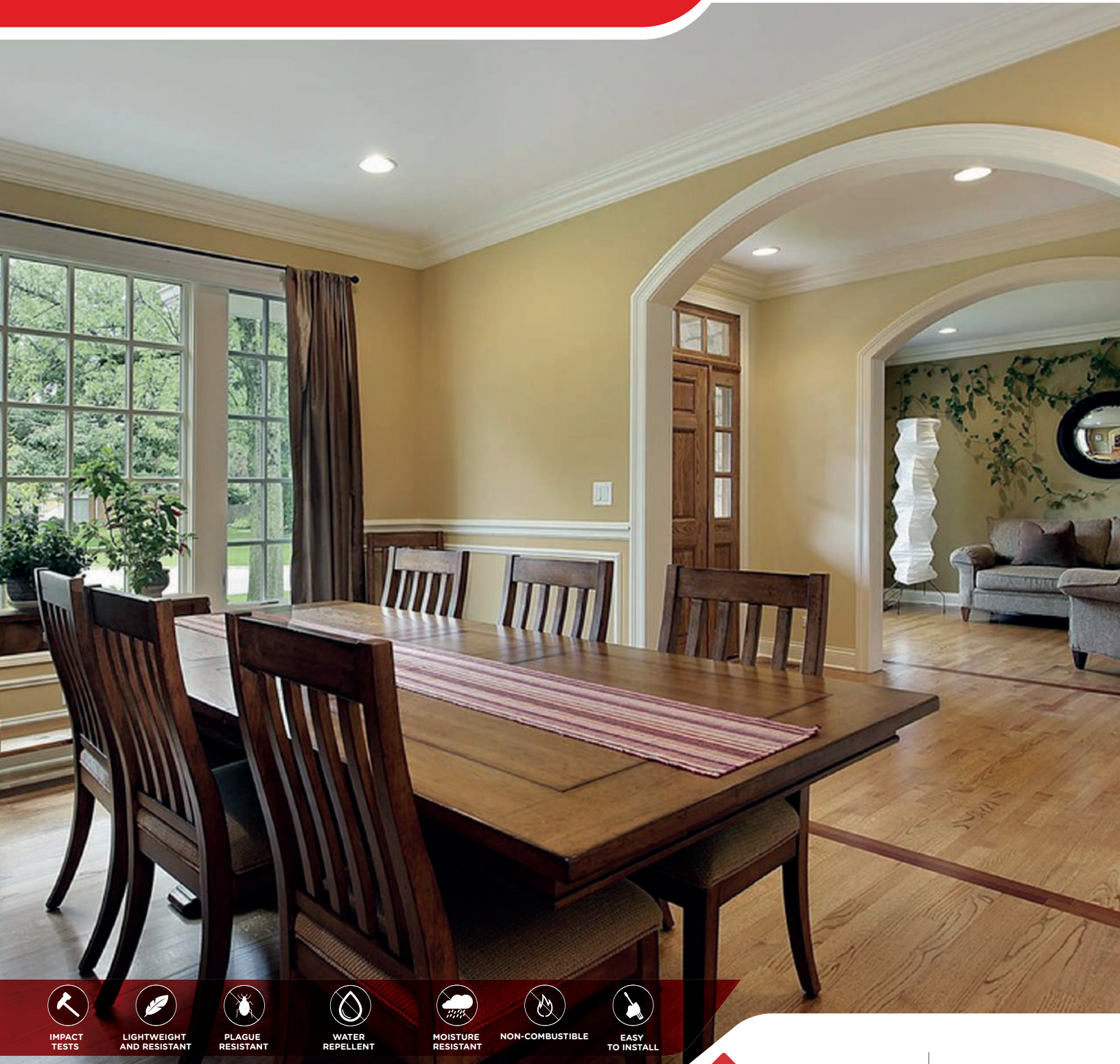


Installation Guide for **MOLDUCEM**



IMPACT
TESTS



LIGHTWEIGHT
AND RESISTANT



PLAGUE
RESISTANT



WATER
REPELLENT



MOISTURE
RESISTANT



NON-COMBUSTIBLE



EASY
TO INSTALL

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TRANSPORTATION

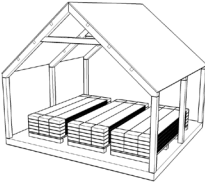
Molducem should be transported on a solid and flat platform protected from moisture.



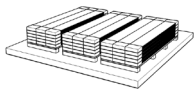
STORAGE AND HANDLING

CORRECT

Molducem should be kept covered and dry. It should be stored on clean pallets on the floor.

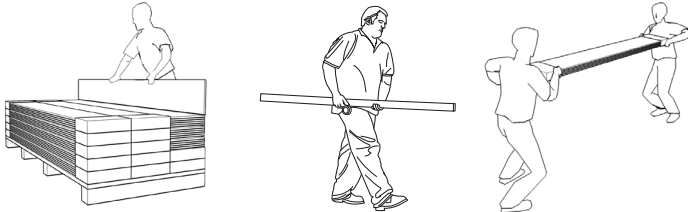


Protect Molducem from direct exposure to outdoors. Do not install it if wet or saturated with water.



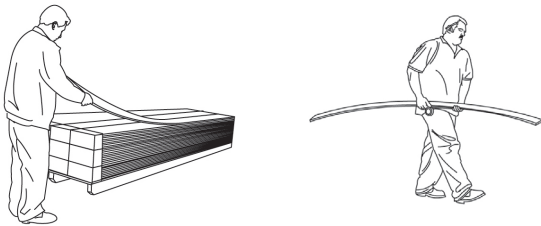
INCORRECT

CORRECT HANDLING



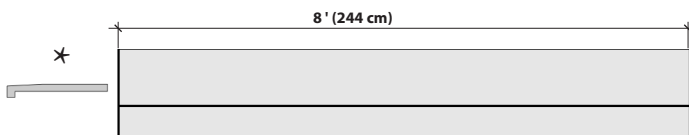
Each pack of Molducem should be carried horizontally by two people. Protect the edges and corners to prevent them from breaking. Transport the pieces by holding the middle of its narrow edge.

INCORRECT HANDLING

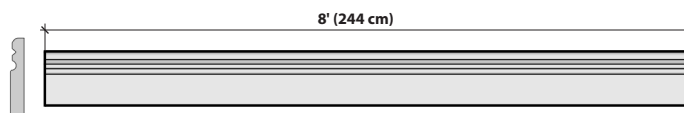


SYSTEM COMPONENTS

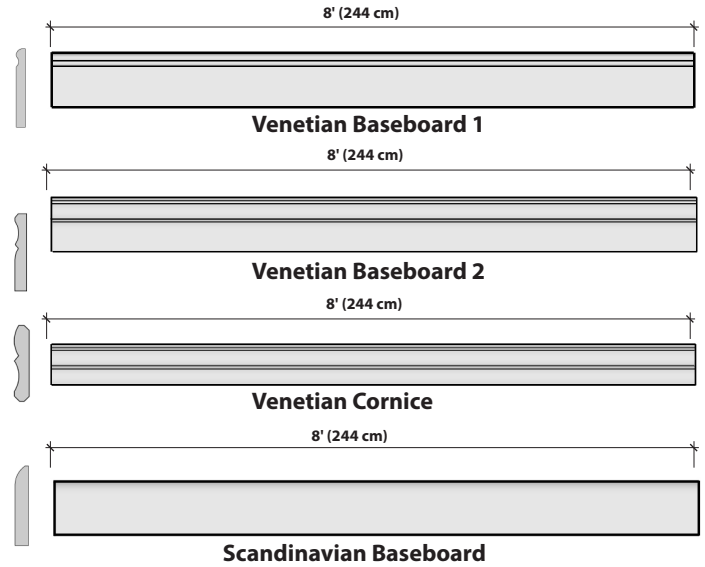
Molducem pieces are made of organic fibers and cement. They have a plain finishing. They are $\frac{7}{16}$ " (11 mm), $\frac{9}{16}$ " (14 mm), and $\frac{11}{16}$ " (17 mm) thick, 3" (7 cm), 4" (10 cm), 6" (15 cm) or 7" (18 cm) wide x 8 feet long (ask about stock).



Window Sill

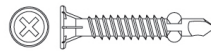


Roman Baseboard



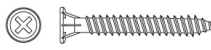
*For installation details, see Window finishing installation guide.

Hidden Fastening



PH8-150, PH8-225 SCREW (Plycem on steel)

Fastening of Molducem to metal structure



PL 8-175 SCREW (Plycem on steel)

Fastening of Molducem to wood structure



1- $\frac{1}{2}$ " nail. Fastening of Molducem to wood structure.

2" (5 cm) powder pins. Fastening to concrete wall.

FINISHING PRODUCTS



PAINT



FILLER



SIKAFLEX 15LM, 221, OR THE LIKE

TOOLS



SCREWDRIVER



CAULKING GUN



AIR NAILER



ROLLER



MEASURING TAPE



RASP

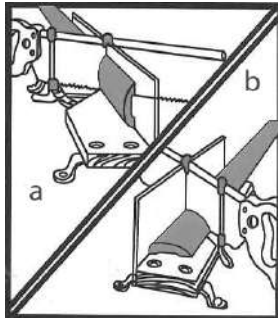
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CUTTING INSTRUCTIONS

There are two ways to cut the molding at an angle. In the first one, hold the molding edgewise against the side of the cutting template -cutting through the thickness (see a). In the second one, hold the molding lying on the template, and cut through the face of the molding (see b). Always take accurate measures and make fine marks on each piece to be cut. Cut outside the trace. Accurate cuts will make better finishing.



INNER AND OUTER 45° CUTS

Some types of molding -such as cornice and casings, may require special 45° cuts due to their profile. To avoid any mistakes, all molding should be placed on the cutting template on the same position it will have when installed. For an inner corner on the cornice molding, mark the wall length on the upper edge on the back of the molding; place the molding on the cutting template with the back facing you (see Figure 3), and make a 45° cut on the joint mark of both pieces. For an outer corner of cornice molding, place the molding on the cutting template according to Figure 4 and cut outside the trace of both opposite cuts. Likewise, for outer baseboard cuts, mark the back of the molding and cut at a 45° angle (See Figure 5).

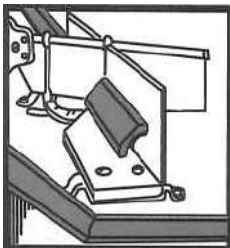


Figure 3

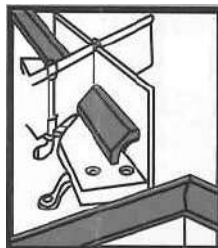


Figure 4

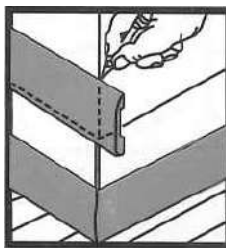


Figure 5

MOLDING FITTING

Make 45° cuts for butt joint. To do this, place both pieces on the cutting template according to the position they will have on the wall, and cut both pieces with the same angle (a 45° angle is usually recommended, Figure 6). Applying Sikaflex 15 LM or Sikaflex 221 sealant is recommended for better performance of Molducem molding.

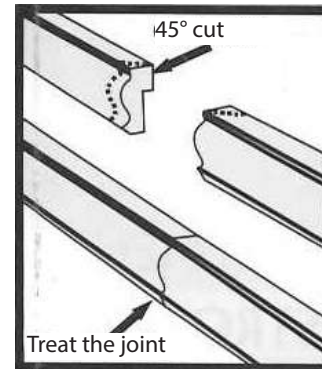


Figure 6

MOLDING INSTALLATION

Finishing the molding at your choice is recommended once they have been cut and before installing them -with acrylic paint or dye. If you want to dye the molding, use dyes with self-cure acrylic resins with stable color for outdoor or indoor use -as required. Apply the dyes on dry and dust-free products with a cloth or brush (depending on the desired finishing) and making sure to cover all edges. Let dry for two hours or until it is fully dry. If you want to paint the molding, apply acrylic paint with a brush and following the same instructions for dyes.

GENERAL MOLDING INSTALLATION

For lightweight Plycem or wood walls, the molding should be fastened every 2 feet (or according to the modulation of the structure) using bit tip Plycem PH10-175 screws of 1- 3/4" with self-countersinking Phillips flat head, to fasten to metal structures Caliber 20 or PL8-175 screws for wood or metal caliber 24. Once the molding has been fastened, apply filler on the screw head, sand any excess of filler, and apply the finishing. For block, brick, or concrete walls, using steel 1-1/2" nails is recommended every 2 feet. To avoid damages with the hammer on the Molducem molding, use a nail set or punch, apply filler on the nail head, sand any excess of filler, and apply the finishing.

FRAMING OF DOORS AND WINDOWS

When making the framing on a door or window, first install the upper molding. Trace lines at 1/8" (3 mm) from the edge where the frame will be placed -on all sides (see Figure 7). These marks will show the position of the inner edges of all moldings. Remember cutting the thickness of both crossbeams when measuring the upper molding.

Place the molding lying on the cutting template, with the thickest part against the inner part of the template. Make opposite 45° cuts on the ends, and temporarily nail the molding on its final position.

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For crossbeams, measure from the bottom to the outer edge of the upper molding and make square cuts (90°) with the said length on both moldings. Make opposite 45° cuts on the upper ends and nail them on the end. After making sure that the crossbeams and the upper molding have a fit joint, fasten the upper molding on its final position. Proceed to use acrylic or polyurethane sealant (Sikaflex 15LM or 221) on the 45° joints and on the edges -for better finishing before painting it.

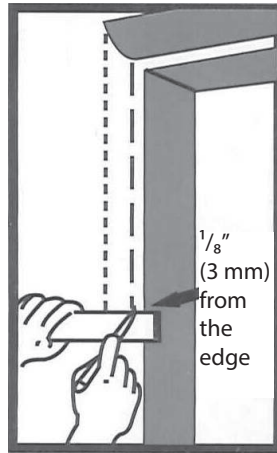
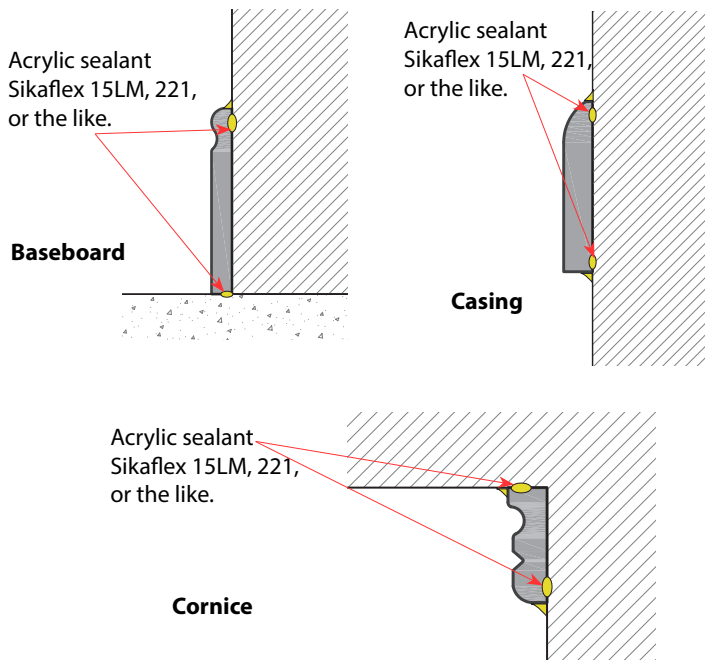


Figure 7



REMOVAL OF EXISTING MOLDING

Most moldings have been screwed or nailed onsite. In order to remove them, find a space between the wall and the molding to introduce the screwdriver. The best place to start is the casing around the door - from that point, you may reach the baseboard (see figure 1). Continue removing the old molding from one end to the other, until you fully remove it. To protect the wall or any adjacent molding, use a wedge behind the screwdriver when making any pressure.

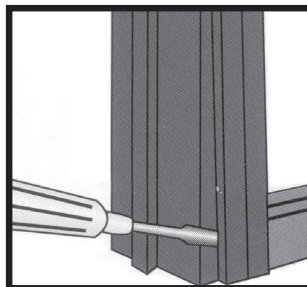


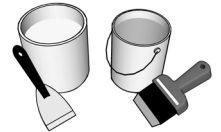
Figure 1

ESTIMATION OF MOLDING TO BE BOUGHT

Carefully measure the distance of the places where the Molducem molding is going to be installed. Write down the length of each piece required and add 4" (10 cm) to every measurement. Add up the totals to obtain the total number of feet required. Molducem moldings are quoted in 8 feet pieces.

PAINT

To give the molding its finishing look, use high quality 100% acrylic latex paint or coating. Always follow the manufacturer's instructions. In moldings, applying a 100% latex primer sealant is recommended for better adherence of the paint and for obtaining the maximum coverage of the product.



According to the INTE/ISO 8336:2018 standard, this product is manufactured for outdoor and indoor uses (Category A, Class1).

The recommendations and instructions given in this manual represent an adequate guide for the use, storage and handling of the product. This guide does not replace the responsibility of the responsible engineer, structural engineer or supervisor of each of the projects in which the product is used. In case of projects in which special measures or manufacturing conditions are requested, the product will be manufactured according to plans and the design given by the client, assigned constructor or engineer, the installation instructions given by the client being applicable, without any responsibility on the part of PLYCEM. PLYCEM does not assume responsibility for misuse of the product, improper handling, improper storage or use of materials other than the suggested complementary ones. PLYCEM does not co-help in the installation and management part of structural design, so this manual does not represent a co-responsibility in that area, being the responsibility limited to the material only.

The product warranty applies only if the installation instructions in this guide are followed. For warranty details visit: www.plycem.com



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