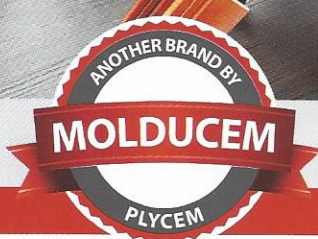


# Molducem

*Highly Beautiful Architectural Pieces*



Impact-Resistant



Lightweight and resistant



Plaque-resistant



Water Repellent



Moisture-resistant



Non-combustible



Easy Installation

**Plycem**  
Fiber Cement Advanced Technology

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[www.plycem.com](http://www.plycem.com)



# Molducem

## Advantages

- They do not contain hazardous products
- Non-aggressive in their application
- They may be cut, sanded, nailed, drilled, and screwed with conventional tools
- They provide acoustic and thermal insulation
- They accept any type of finishing
- Moisture-resistant
- **For indoor or outdoor use**
- Fungi-resistant
- Non-combustible

## General Information

Molducem are decorative, architectural, and highly beautiful pieces resistant to moisture, plagues, and abrasion, which can be used as frames or finishings of doors, windows, baseboards, cornices, or casings. The moldings allow playing with the perception of indoor spaces to create an effect of spaciousness, enhancing the details, or horizontally experiencing with divisions of textures or colors on the wall.

## Product Components

Portland cement, calcium carbonate, cellulosic fibers, and other minor aggregates. The Molducem surface is treated with an impregnating emulsion that makes it water repellent, thus keeping its permeability to water vapor.

## Manufacture and Quality Control

Molducem is manufactured at plants with certified management systems in ISO 9001:2008, ISO 14001:2004, and OHSAS 18001:2009

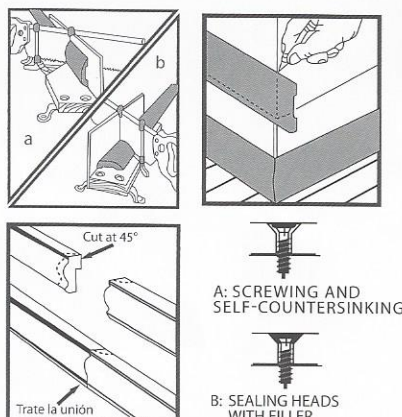


## Technical Specifications of the Product

Description	Minimum Value	Valor Value
Bending Resistance (dry)(N/mm <sup>2</sup> )A	7.0	
Elastic modulus (dry) (kN/mm <sup>2</sup> )A	2.5	4
Density (kg/dm <sup>3</sup> )	0.9	1.2
Moisture (%)		10
Total absorption (%)		40
Surface absorption (%)		25
Moisture movement (mm/m)		1.3
Total contraction (mm/m)		4.0
Smoke development	0	
Flame spread	0	

## Fixing screws in moldings

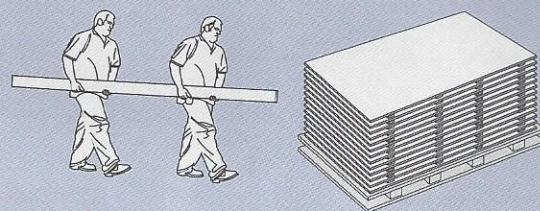
1. Screws or nails can be used.
2. For a correct fixing, the fixing points should be located by respecting the minimum distance between them -on the edges and on the corners.
3. Place the screws perpendicular to the molding and pierce at least 3 rows of screw threads



## Moldings

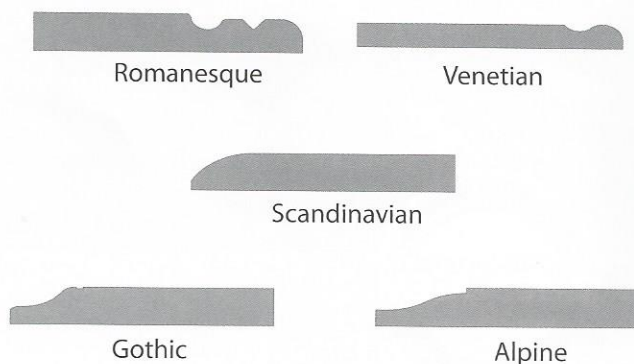
- a) On Plycem panels, the moldings should be fixed every 23.8" or according to the modulation of the structure.
- b) For block, brick, or concrete walls, it is recommended to use 32mm (1 1/4") steel headed nails every 23.8".

## TRANSPORTATION, HANDLING, AND STORAGE



- Molducem should be transported on a flat, solid pallet protected from moisture.
- Protect Molducem from direct exposure to the weather. Do not install wet moldings.
- Molducem should be kept covered, dry, with no contact with the floor, and placed on a flat and clean pallet.
- Each package of Molducem should be horizontally transported by two people. Protect the edges and corners to prevent any damage.

## Molding Styles:





# Molducem

Molducem are decorative pieces for finishings and details of baseboards, cornices, and casings which can be used as frames or finishings of doors, windows, baseboards, cornices, or casings.

## Features:

Non-combustible • Plague-resistant • Water-repellent • Moisture-resistant • Easy Installation • Lightweight and Resistant

## Types:

- ① Trims or listels
- ② Frames: loading finishing, shoulder finishing, and lateral finishing
- ③ Baseboards
- ④ Cornice or finishing
- ⑤ Casing

## Presentations:

- ① ROMANESQUE
- ② ALPINE
- ③ SCANDINAVIAN
- ④ GOTHIC
- ⑤ VENETIAN

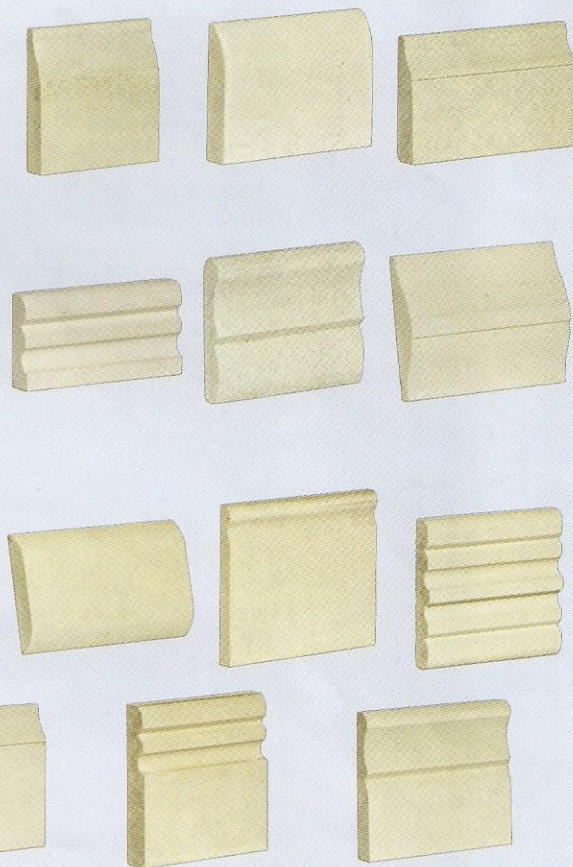
## Simple Installation:

For installing Molducem moldings, you only need to have the basic right tools: a circular saw or sharp saw, an angular guide or cutting template made of wood, metal, or plastic, tape measure, hammer, screwdriver, and a nail punch.

The fixing can be made with 1.2" steel nails -at least, in case the wall is made of concrete. Place a nail every 23.8" by placing it on the flat side of the molding. To avoid marks of the hammer head, leave the head at the surface level and then hide it with the nail punch.

In cases of lightweight walls with wood or metal structures and sheathing panels, the molding is placed with Plycem fiber-cement screws -at least 1.5 inches long (38 mm). The screw is placed every 23.8" -preferably matching the post or stud of the structure. The head is filled with acrylic filler.

Another way of fixing the molding is by using adhesive or liquid nails. The Sikaflex 221 is perfect for this application. The sealant beads are placed on the back of the molding, which is placed on the wall and temporarily holding it with screws, nails, or a press, and it is then adjusted to ensure the effectiveness of the contact between the surfaces to be adhered.



## Finishings:

They can be painted, stained, or varnished for colored or wood-like finishings.



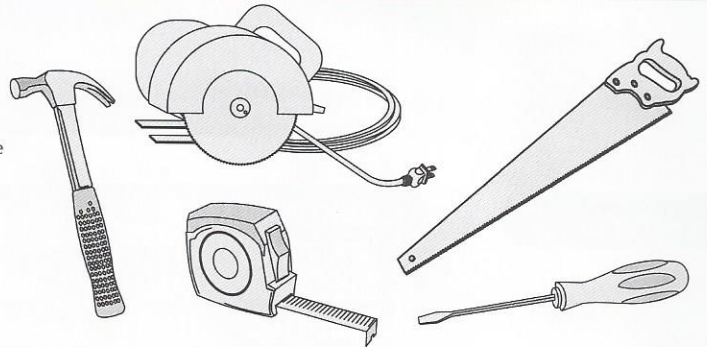
# Molducem

## Features:

They are adapted to any building system -from masonry or reinforced concrete to lightweight systems. • They can be attached with steel nails or adhesives • They have great durability and workability. • They do not decay or burn • No filling is required for a different look • They have the mechanical advantages of cement and the versatility of wood • They can be colored or dyed.




## Tools and Materials:

- Circular saw
- Saw
- Angular cutting guide or template made of wood, metal, or plastic
- Tape measure
- Hammer
- Screwdriver
- Nail punch.






## Styles:




### Romanesque:

-  Cornice  
R17mm / 50x2438mm
-  Casing  
R17mm / 95x2438mm
-  Baseboard  
R17mm / 100x2438mm




### Venetian:

-  Cornice  
V14mm / 75x2438mm
-  Casing/ Baseboard  
V14mm / 100x2438mm
-  Baseboard  
V11mm / 100x2438mm




### Scandinavian:

-  Cornice  
E17mm / 75x2438mm
-  Casing  
E17mm / 75x2438mm
-  Baseboard  
E17mm / 100x2438mm




### Gothic:

-  Cornice  
G17mm / 75x2438mm
-  Casing  
G17mm / 75x2438mm
-  Baseboard  
G17mm / 100x2438mm




### Alpine:

-  Cornisa  
A17 mm / 75x2438mm
-  Casing  
A17mm / 75x2438mm
-  Baseboard  
A17mm / 100x2438mm

### \*Swedish:

-  Cornice  
S14 mm / 50x2438mm
-  Casing  
S14mm / 100x2438mm
-  Baseboard  
S14mm / 100x2438mm

### \*Danish:

-  Cornice  
D11 mm / 50x2438mm
-  Casing  
D11mm / 110x2438mm
-  Baseboard  
D11mm / 100x2438mm



\*Styles exclusively for El Salvador



# Molducem Applications



## Benefits

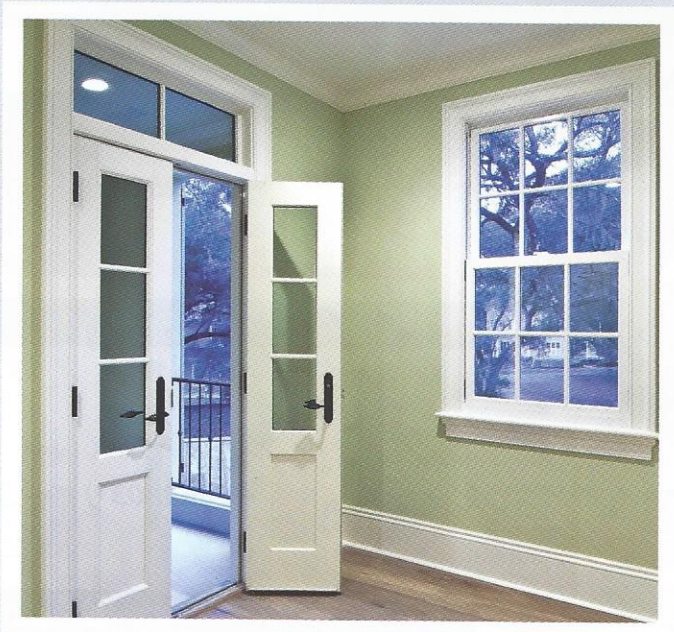
- They allow fixing building defects
- They add protection from bad weather
- Decorative element that helps creating an aesthetic impact
- Environmentally friendly
- Non-toxic
- Little debris when installing them

## Components

- Molducem
- Nails or screw

## Applications

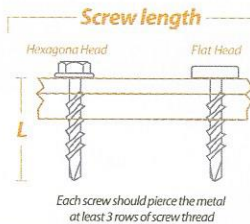
- Exterior walls
- Interior walls
- Doors
- Windows
- Baseboards
- Casings
- Cornices



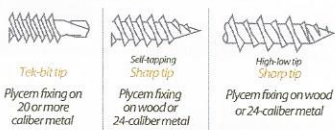
\*Images used in this catalogue are just for illustration purposes



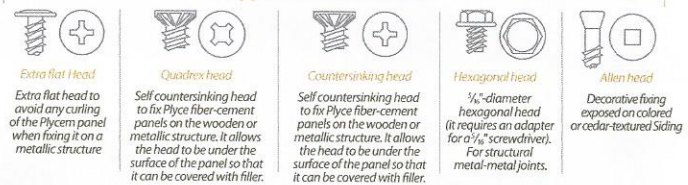
# TECHNICAL GUIDE FOR SCREWS



## Types of Screw Tips



## Types of Screw Heads



## METAL-METAL/ Structural Joints

## METAL-METAL JOINTS

## PL Plycem Screw / WOOD AND METAL

<p>5/16" hexagonal adapter</p>	<p>5/16" hexagonal adapter</p>	<p>5/16" hexagonal adapter</p>	<p>Phillips tip</p>	<p>Phillips tip</p>	<p>Phillips tip</p>	<p>Quadrex tip</p>	<p>Phillips tip</p>
<p><b>Code:</b> 960805 <b>Type:</b> MM10-075 <b>Description:</b> • Hexagonal head • Bit tip • N° 10 x 3/4"</p> <p><b>Use:</b> Metal-metal structural screw with hexagonal head in structural joints.</p>	<p><b>Code:</b> 960806 <b>Type:</b> MM10-150 <b>Description:</b> • Hexagonal head • Tek tip • N° 10 x 1-1/2"</p> <p><b>Use:</b> Metal-metal structural screw with hexagonal head in structural joints.</p>	<p><b>Code:</b> 960807 <b>Type:</b> MM12-200 <b>Description:</b> • Hexagonal head • Tek tip • N° 12 x 2"</p> <p><b>Use:</b> Metal-metal structural screw with hexagonal head in structural joints.</p>	<p><b>Code:</b> 960849/960804 <b>Type:</b> LH8-050 <b>Description:</b> • Flat head • Bit tip • N° 8 x 1/2" (12.5mm)</p> <p><b>Use:</b> For assembling galvanized steel structures - 20 caliber or more, of PA-PE, PA-PI profiles</p>	<p><b>Code:</b> 960808 <b>Type:</b> LH8-050 <b>Description:</b> • Flat head • Sharp tip • N° 8 x 1/2" (12.5mm)</p> <p><b>Use:</b> For assembling galvanized steel structures - 20 caliber or more, of PA-PE, PA-PI profiles</p>	<p><b>Code:</b> 960814 <b>Type:</b> PL6-100 <b>Description:</b> • Sharp tip • N° 6 x 1" (25.0mm)</p> <p><b>Use:</b> Fixing 8-11mm Plycem to a wooden or 24-caliber metallic structure</p>	<p><b>Code:</b> 960816 <b>Type:</b> PL8-125 <b>Description:</b> • Sharp tip • N° 8 x 1-1/4" (32.0mm)</p> <p><b>Use:</b> Fixing 8-14mm Plycem to a wooden structure.</p>	<p><b>Code:</b> 960815 <b>Type:</b> PL8-175 <b>Description:</b> • Sharp tip • N° 8 x 1-3/4"</p> <p><b>Use:</b> Fixing 14-17mm Plycem to a wooden or 24-caliber steel structure.</p>

## PH PLYCEM / METAL SCREW

## TEK FACADES FIXING

<p>Phillips tip</p>	<p>Phillips tip</p>	<p>Phillips tip</p>	<p>Phillips tip</p>	<p>Phillips tip</p>	<p>Phillips tip</p>	<p>Phillips tip</p>
<p><b>Code:</b> 960841 <b>Type:</b> PH8-125 <b>Description:</b> • Tek tip • N° 8 x 1-1/4"</p> <p><b>Use:</b> For fixing 8mm, 11mm, 14mm Plycem panels, Siding, Clapboard panels, and fascia.</p>	<p><b>Code:</b> 960795 <b>Type:</b> PH10-150 <b>Description:</b> • Tek tip • N° 10 x 1-1/2"</p> <p><b>Use:</b> For fixing 8, 11, and 14mm Plycem panels, Siding, Clapboard panels, and fascia.</p>	<p><b>Code:</b> 960798 <b>Type:</b> PH10-175 <b>Description:</b> • Tek tip • N° 10 x 1-3/4"</p> <p><b>Use:</b> For fixing 11, 14, 17, 20, 22mm Plycem panels, Siding, Clapboard panels, and fascia.</p>	<p><b>Code:</b> 960840 <b>Type:</b> PH8-125 <b>Description:</b> • Tek tip • N° 8 x 1-1/4"</p> <p><b>Use:</b> For fixing 8, 11, 14mm Plycem panels, Siding, Clapboard panels, and fascia.</p>	<p><b>Code:</b> 960796 <b>Type:</b> PH8-162 <b>Description:</b> • Tek tip • N° 8 x 1-5/8"</p> <p><b>Use:</b> For fixing 17, 20, 22mm Plycem panels, Moulducem mouldings, Clapboard panels, and fascia.</p>	<p><b>Code:</b> 960797 <b>Type:</b> PH8-225 <b>Description:</b> • Tek tip • N° 8 x 2-1/4"</p> <p><b>Use:</b> For fixing 20, 22mm Plycem panels, Moulducem moldings.</p>	<p><b>Code:</b> 960813 <b>Type:</b> FPH10-150 <b>Description:</b> • Tek tip • Phillips head</p> <p>• N° 10 x 1-1/2" • Stainless <b>Use:</b> For fixing decorative exposed Tek Facades</p>

## DECORATIVE EXPOSED SIDING FIXING

## ROOF FIXINGS

 <p>Screw length</p> <p>Square tip #1</p> <p>Screw diameter</p>	 <p>Square tip #1</p>	 <p>Hammer</p>	 <p><b>Code:</b> 960800 <b>Type:</b> Tile Plycem Screw <b>Description:</b> • Fixing for wood</p> <p>• Sharp tip • 150 x 6mm • 3/8" hexagonal <b>Use:</b> For fixing Sevillian Tiles to wood.</p>	 <p>3/8" hexagonal adapter</p>	<p><b>Code:</b> 960809 <b>Description:</b> Decorative 18.5mm stainless washer</p> 	<p><b>Code:</b> 960810 <b>Description:</b> Neoprene washer for fixing Exposed Tek Facades (rivet or screw).</p> 
 <p><b>Code:</b> 960794 <b>Type:</b> SPH7-162 <b>Description:</b> • Allen-type head • Tek tip • N° 7 x 1-5/8" • Stainless steel. <b>Use:</b> For fixing Exterior Siding to metal.</p>	 <p><b>Code:</b> 960842 <b>Type:</b> SPH7-162 <b>Description:</b> • Allen-type head • Tek tip • N° 7 x 1-5/8" • Phosphated <b>Use:</b> For fixing Interior Siding to metal.</p>	 <p><b>Code:</b> 960788 <b>Type:</b> Pyramid-head nail <b>Description:</b> • Nail • N° 6 x 2-5/8" <b>Use:</b> For fixing Siding too wood.</p>	 <p><b>Code:</b> 960802 <b>Type:</b> Tile Plycem screw <b>Description:</b> • Fixing metal</p> <p>• Tek tip • 150 x 6mm • 3/8" hexagonal head <b>Use:</b> For fixing Sevillian Tiles to metal</p>	 <p>3/8" hexagonal adapter</p>	<p><b>Code:</b> 960811 <b>Type:</b> Rivet for Facade Al-Mg alloy. <b>Description:</b> • 15mm diameter head, 73mm length. <b>Use:</b> For fixing decorative exposed Tek Facade.</p> 	<p><b>Code:</b> 960812 <b>Type:</b> Rivet for Facade <b>Description:</b> • 15mm diameter head, 73mm length. <b>Use:</b> For fixing decorative exposed Tek Facades.</p> 

Phillips tip No2- code 960792 / Square tip No1- Code 960789/ Square tipNo2- 960790/ Hexagonal cup 5/16" Code 960817  
If you need other fixing elements, please contact our Technical Advisors





A company from



Impact-Resistant



Lightweight and resistant



Plague-resistant



Water Repellent



Moisture-resistant



Non-combustible



Easy Installation

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**[www.plycem.com](http://www.plycem.com)**

Manufactured by:

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**A Company with Certified Management System**



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Occupational  
Safety



Quality

See UL certifications at [www.ul.com](http://www.ul.com) under the name of Plycem

**When building, ask for certified products!**

Certification number for:

Honduras: RE-008/01/2010, SGA-007/01/2010 y SySO-005/2010

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