

A photograph of the Stonehenge monument in England, silhouetted against a bright orange and yellow sunset sky. The large horizontal stone is at the top, supported by several vertical stones below it.

DOMOSTYL[®]
INSTALLATION INSTRUCTIONS

looks & durability



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DOMOSTYL®

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DOMOSTYL® CUSTOMIZED

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FIELD OF APPLICATION

DOMOSTYL®

DOMOSTYL® offers a unique concept of decorative sections for façades of high-density polyurethane that make it possible without delay to put the finishing touches on façades in the course of renovation or construction. Robust and highly resistant, these products give a façade style and character, while combining speed and ease of mounting. DOMOSTYL® mouldings meet the current requirements of construction and renovation.

DOMOSTYL® offers a range of decorative elements for façades that includes string courses, window sills, window/door frames, rosettes, headers, boss stones, consoles, and keystones.

DOMOSTYL® CUSTOMIZED

With this new concept, NMC is in a position to work on demand, no matter what type of moulding, and to produce any type of moulding, both in so far as the size and the shape are concerned, both for new builds and renovations. The product was originally designed for areas that are not highly stressed (impacts, blows). For applications at the street level, or under more restrictive circumstances, please refer to the point TECHNICAL ASSISTANCE p. 30.

DOMOSTYL® CUSTOMIZED makes it possible to produce in particular string courses, window sills, window/door frames, rosettes, headers, boss stones, consoles, keystones, columns, pilasters, etc. NMC considers all requests, even the most original.

The following substrates are authorized for DOMOSTYL® and DOMOSTYL® CUSTOMIZED:

- core of poured concrete
- coated masonry
- uncoated masonry
- masonry clad with a hydraulic MPL coating (mortar, plaster, lime): in this case a cap is compulsory.
In addition, mechanical fastening is necessary on this substrate with DOMOSTYL® and DOMOSTYL® CUSTOMIZED
- external thermal insulation (ETI): in this case mechanical fastening is necessary with DOMOSTYL®

DOMOSTYL®

MOUNTING ON TRADITIONAL & ETI SUBSTRATES



1. PREPARATION OF THE SUBSTRATE

Whatever the substrate, it must be clean, not powdery, not greasy, dry and in good condition. Old paint and other organic coverings must be scraped off and stripped before installation of the mouldings. The surfaces must be flat; a maximum deviation of 1 cm per metre is tolerated. If need be, renovation of the substrate is required.

Important note for mounting on ETI: It is advisable in all cases to comply with the instructions of the manufacturer of the sub-coating reinforced with ETI to ensure that is completely dry before the installation of the mouldings and using mechanical fasteners.

2. CLIMATIC CONDITIONS

Installation should be carried out in dry conditions, on a dry substrate and at temperatures higher than 5°C. Special precautions can be taken to respond to these conditions: covering the scaffolding with a tarpaulin and heating, drying of the surface before the application.



[3A]

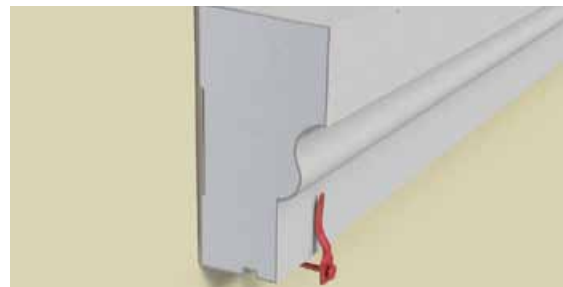
3. MARKING THE POSITION

[3A] With the help of a chalk line, mark the position of the sections on the façade.



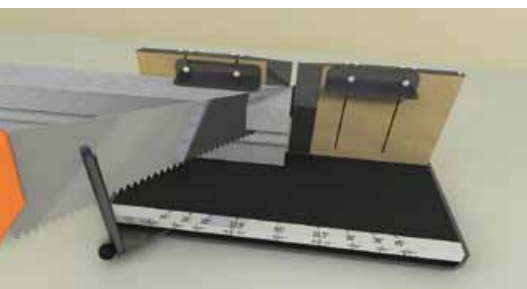
[3B]

[3B] Drive the nails into the concrete on the lower line in order to hold the moulding in place (3 nails per length of 2 m). The nails will be pulled out after 24 hours.



[3C]

[3C] To make mounting easier, NMC recommends the use of pegs to hold the moulding flat on the substrate. After 24 hours the nails and pegs can be removed.



4. CUTTING

■ Cut the mouldings with an appropriate tool. We advise the use of NMC tools adapted to the size of the mouldings (in particular: VARIO cutter box with handsaw).



5. GLUING

■ On traditional backings NMC recommends the use of the adhesive DOMOSTYL® PU which is packaged in cartridges.

■ For applications on ETI, whether on mineral or organic backings NMC recommends the use of the adhesive DOMOSTYL® HYBRID. On organic backings it is advisable to make preliminary tests.

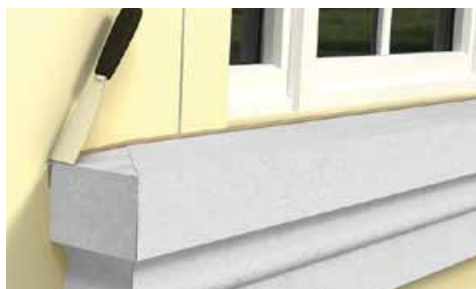


[5A]

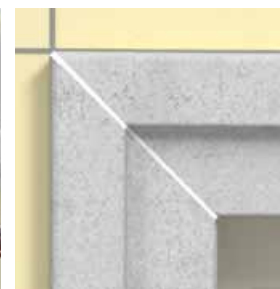
[5A] Proceed by single pasting to the back of the section, using an extruder nozzle. Lay down a good thick line of adhesive without a break, over the entire perimeter of the surface of the moulding ± 5 mm from the edge. In order to ensure good waterproofing, the line cannot be interrupted.



[5B]



[5C]



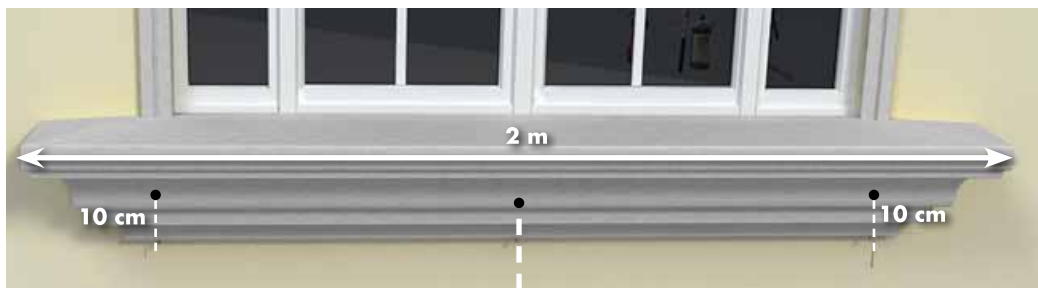
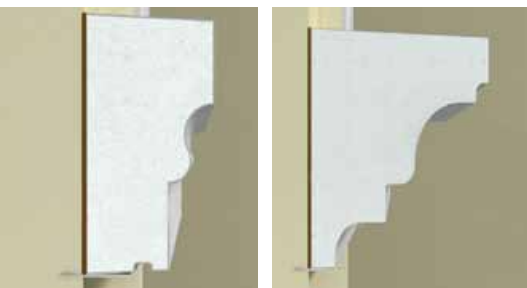
[5B] Then continue to lay down lines of adhesive over the entire surface to be glued (lengthwise on the moulding), spaced at ± 3 cm intervals.

Average consumption of the adhesive DOMOSTYL® HYBRID: see page 13.

[5C] Once the moulding is positioned, remove the surplus glue with the help of a spatula.

6. TREATMENT OF THE JOINTS

■ Use the same adhesive for the treatment of the joints and mitre cuts. Between each length, take care to leave the joint well filled with an adhesive layer of ± 3 mm; this will be smoothed with a spatula and made invisible.



[7A]

7. MECHANICAL FASTENING

■ Cases where it is necessary use mechanical fastening in addition to gluing:

→ when the overhang is greater than 7 cm (large-sized moulding) whatever the type of substrate;

→ on backings of the MPL* and ETI type whatever the size of the moulding;

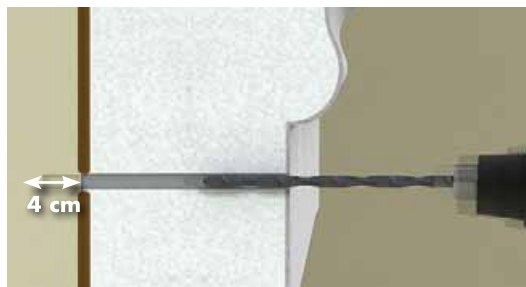
→ on window sills on all substrates whatever the size of the moulding.

■ Mechanical fastening is always done once the gluing is completed (after 24 hours of drying). It is done with dowels.

[7A] Use 3 dowels for a length of 2 m in a pattern of one dowel in the centre and two others 10 cm from each end. For a different length, adapt the number of fasteners proportionally.

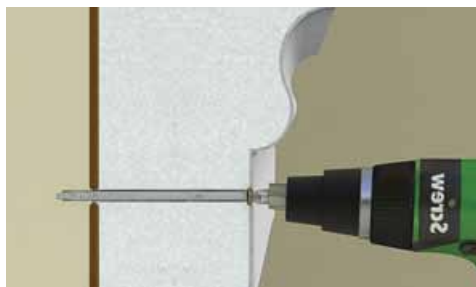
■ The type of dowel remains identical whatever the foundation (hollow or filled): SPIT NYLONG min. 8 mm dowel to be hammered in, expansion opened by "nail/screw". The expansion casing of this dowel is made of nylon with two anti-rotation fins and ends in a flange to hold it in place. The screw is bichromate galvanized steel. In the event of use with hollow materials, it is necessary to conduct tests in advance.

* mortar, plaster, lime



[7B]

[7B] Check to see that the moulding is well adhered to the wall. Drill at the right diameter and at the right depth. The anchorage in the substrate must always be a minimum of 4 cm.



[7C]

[7C] Slide the dowel into the hole. Insert the screw into the dowel, drive it in with a hammer and finish by screwing it in.



[7D]

[7D] Countersink the head of the screw in the interior of the moulding with the adhesive DOMOSTYL® HYBRID. To remove spots of HYBRID glue on the products or the tools, use White-spirit.

DOMOSTYL®

ADDITIONAL INFORMATION



8. CONTACT SURFACE MOULDING/FAÇADE

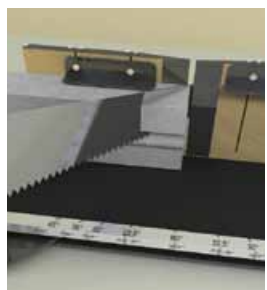
[8A] In order to avoid infiltration of water between the moulding and the substrate, it is essential to put down a waterproof seal with the DOMOSTYL® HYBRID adhesive over the entire outer edge of the moulding. This will be immediately smoothed with a finger and may not contain any break.

9. FINISHES

■ The DOMOSTYL® CUSTOMIZED façade mouldings must be painted exclusively with acrylic paint intended for façades. NMC recommends applying a minimum of two coats of paint. The mouldings can be painted 12 hours after installation.

1. CONSTRUCTION OF WINDOW SILLS

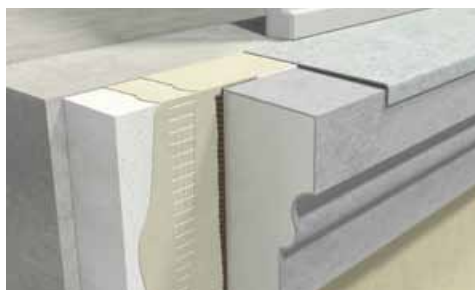
■ The DOMOSTYL® mouldings selected for constructing window sills must be adapted to suit the dimensions of the opening. They have a slope of $\pm 5\%$ on the upper part and a drip groove on the underside in order to facilitate water drain-off.



[1A]



[1A]



[1B]



[2A]

[1A] The ends of the window sills must be finished with corners cut at 45° (mitre cuts). To save time, the ends (corners cut at 45°) can be assembled with the window sill before fastening to the façade (the day before, for example) or if not, at the same time as the installation.

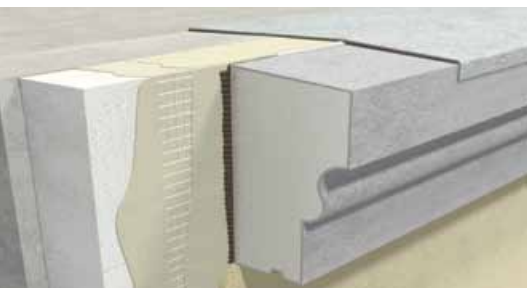
[1B] When the DOMOSTYL® mouldings are installed as a window sill, it is always necessary to make sure that there is a good jointing between the window sill and the opening by installing a covering made of zinc or aluminium.

2. SPECIAL CASES

Certain cases necessitate a special mounting. Please refer to the illustrations.

[2A] Rainwater pipes

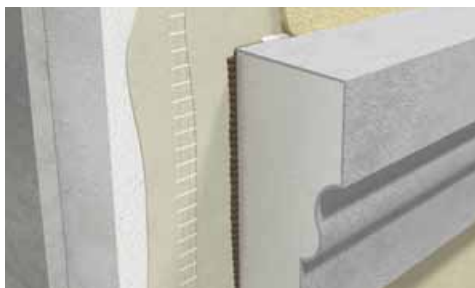
When a rainwater pipe is present, the moulding must be cut on both sides and must end with a 45° mitre cut.



[2B]

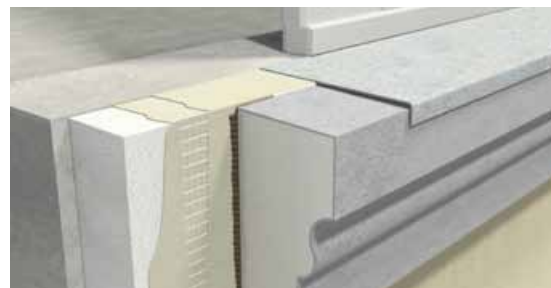
[2B] Moulding on the upper part over ETI

When the moulding is in an acroterion (for example in the junction with a flat roof), a zinc cap has proven to be indispensable.



[2C]

[2C] Installation of a string course on ETI



[2D]

[2D] Handling of window sills on ETI

3. AVERAGE CONSUMPTION OF THE DOMOSTYL® HYBRID ADHESIVE (290 ML CARTRIDGE):

DOMOSTYL®	Traditional substrates		External thermal insulation (ETI)	
	m/cartridge	consumption/m	m/cartridge	consumption/m
Doors or window frames				
NA, MA2	4-4,5 m	65 ml/m	2-2,5 m	130 ml/m
MA1, MA3, MA10, MA11, MA12, MA13, MA14	2-2,5 m	100-120 ml/m	1-1,5 m	200-240 ml/m
MA15	1,5-2 m	130-170 ml/m	0,5-1 m	260-340 ml/m
MA16	3-5 m	65-85 ml/m	1,5-2,5 m	130-170 ml/m
String courses				
MA20, MA22	2-2,5 m	120-150 ml/m	1-1,5 m	240-300 ml/m
MA21	2-3 m	100-140 ml/m	1-1,5 m	200-280 ml/m
Window sills				
FA10, FA11, FA13	1-1,5m	150-200 ml/m	0,5 m	400 ml/m
FA12, FA14, FA15	2-2.5 m	120-150 ml/m	1-1,5 m	240-290 ml/m
Rosettes				
RA3	14 pces	20 ml/pce	7 pces	40 ml/pce
RA4	7 pces	40 ml/pce	4 pces	75 ml/pce
Consoles				
CA11, CA12	9 pces	30 ml/pce	5 pces	60 ml/pce
CA10	7 pces	40 ml/pce	4 pces	75 ml/pce
Boss stones				
BA10, BA11	5 pces	60 ml/pce	2 pces	120 ml/pce
Keystones				
SA1, SA2	5 pces	60 ml/pce	2 pces	120 ml/pce
Headers				
GA1, GA2		290 ml/pce		580 ml/pce
GA3, GA4		450 ml/pce		900 ml/pce



4. TECHNICAL ASSISTANCE

NMC offers technical assistance for starting up every work site, whatever its size. In addition, NMC technical advisors are at your disposal for any additional information. They will be able to help you resolve special cases. For help with any question, please do not hesitate to contact your sales representative.

5. WARRANTY

On our DOMOSTYL® products, we guarantee the following characteristics for a period of 10 years (as of the production date):

1. Respect of the tolerances agreed upon between the parties;
2. The state of the surface in accordance with the reference samples.

The above-mentioned list is restrictive and exclusive. The above-mentioned warranty only applies if the product has not been damaged as a result of exterior contact, either mechanical or chemical, and if it has been stored in good conditions in its original packaging and away from light.

NMC sa does not, in any case, guarantee any damage resulting from the installation.

We strongly advise our installers to take on decennial liability insurance to cover the installation. NMC sa reserves the right to examine the damaged goods. If required, the claimant is obliged to return the defective articles to NMC sa.

Should certain products no longer conform to the two above-mentioned points, NMC sa will bear only the expenses for the replacement product, but will not, in any case, bear the costs of dismantling the defective product, or reinstallation, nor any other direct or indirect expense.

DOMOSTYL® CUSTOMIZED

MOUNTING ON TRADITIONAL & ETI SUBSTRATES



[3A]

1. PREPARATION OF THE SUBSTRATE

Whatever the substrate, it must be clean, not powdery, not greasy, dry and in good condition. Old paint and other organic coverings must be scraped off and stripped before installation of the mouldings. The surfaces must be flat; a maximum deviation of 1 cm per metre is tolerated. If need be, renovation of the substrate is required.

Important note for mounting on ETI: It is advisable in all cases to comply with the instructions of the manufacturer of the sub-coating reinforced with ETI to ensure that it is completely dry before the installation of the mouldings.

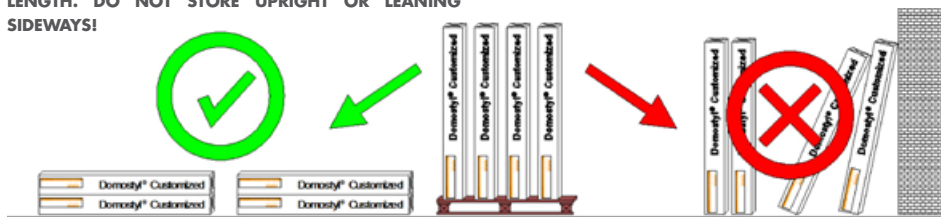
2. CLIMATIC CONDITIONS

Preliminary note: installation should be carried out in dry conditions, on a dry substrate and at temperatures higher than 5°C. Special precautions can be taken to respond to these conditions: covering the scaffolding with a tarpaulin and heating, drying of the surface before the application.

AFTER RECEPTION OF THE GOODS, PLEASE STORE PLACED DOWN FLAT AND OVERLYING ON ENTIRE LENGTH. DO NOT STORE UPRIGHT OR LEANING SIDWAYS!

3. MARKING THE POSITION

[3A] With the help of a chalk line, mark the position of the sections on the façade.

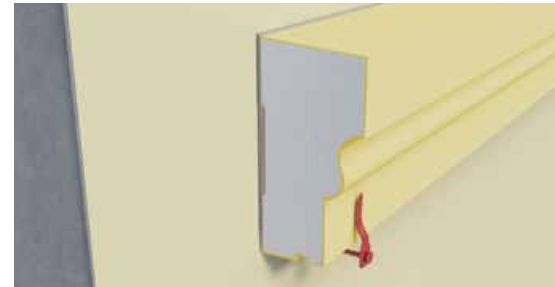


DOMOSTYL® CUSTOMIZED



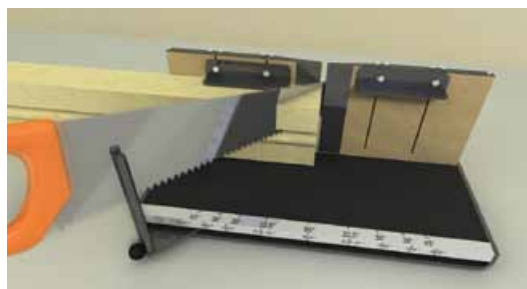
[3B]

[3B] Drive the nails into the concrete on the lower line in order to hold the moulding in place (three nails per length of 2m). The nails will be pulled out after 24 hours.



[3C]

[3C] To make installation easier, NMC recommends the use of pegs to hold the moulding flat on the substrate. After 24 hours the nails and pegs can be removed.



4. CUTTING

■ Cut the mouldings with an appropriate tool. We recommend the use of NMC tools adapted to the size of the mouldings (in particular: VARIO cutter box with handsaw).

Please note: To make things easier, very large mouldings can be cut in the factory.



5. GLUING

■ To glue the mouldings, NMC recommends the use of the DOMOSTYL® EPS adhesive to be added to cement in conformity with the technical instructions for the adhesive. The manufacturer's instructions must be followed scrupulously.

■ For applications on ETI, the choice of adhesive depends on the reinforced sub-coating. For mineral backings, DOMOSTYL® EPS must be used as explained below. For organic backings, DOMOSTYL® HYBRID adhesive is to be used. On organic backings it is advisable to make preliminary tests.



[5A]

[5A] Proceed by double pasting, with the help of a 4 mm x 4 mm notched spatula. Start by pasting the substrate following the outline on the wall. It will be possible to cover small rough bits with a thicker coat of adhesive.

DOMOSTYL® EPS External use Preparation :

- Add 30% by weight of grey cement for the construction to stir the mix with an electric mixer.
- If the temperature is high, or the base is absorbant, it may be necessary to add up to 2% water to the mixture.
- The usable period of the mixture: 2 hours at 20°.
- Drying: 24 hours



[5B]

[5B] Then paste the back of the moulding over its entire surface and apply it energetically to the substrate making small side to side movements in order to optimize the bonding.

Average consumption of DOMOSTYL® EPS adhesive: 8 kg/m²



[5C]

[5C] Once the moulding is in position, remove the surplus adhesive with the help of a spatula.



6. TREATMENT OF THE JOINTS

■ For the treatment of joints and mitre cuts on small-sized mouldings (that is, those with an overhang of less than 7 cm), use the DOMOSTYL® HYBRID adhesive in a cartridge and proceed by double pasting.



[6A]



[6B]



[6C]

■ For the treatment of joints and mitre cuts on large-sized mouldings (overhang greater than 7cm), it is easier to proceed as follows:

[6A] For the joints, leave a space of ± 6 mm between the mouldings at the intermediate joints.

[6B] This space will be filled with the PU foam extruded by spray can.

[6C] Once the foam has dried, plane it down and cut the excess foam with the help of a cutter.



[6D]



[6E]



[6E]



[6F]

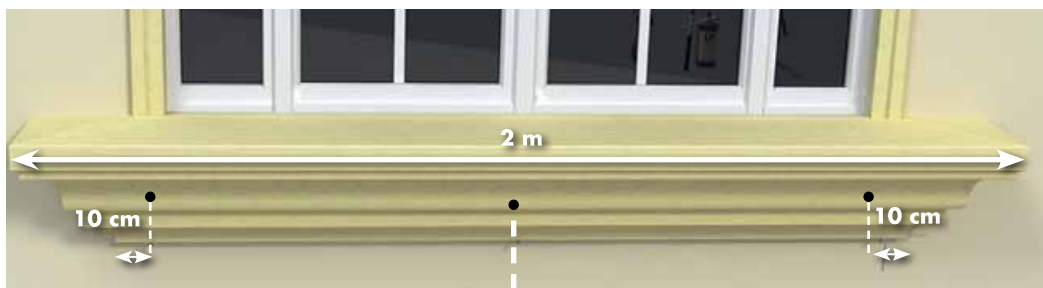


[6F]

[6D] Hollow out the point in the shape of a "V" over ± 5 mm.

[6E] Fill the hollow obtained in this way with DOMOSTYL® HYBRID adhesive and smooth out with the spatula. Use the sand provided with the mouldings to give the product an homogeneous surface.

[6F] For the treatment of the mitre cuts, continue in the same way.



[7A]

7. MECHANICAL FASTENING

■ Cases where it is necessary use mechanical fastening in addition to gluing:

→ when the overhang is greater than 7cm (large-sized moulding) whatever the type of substrate;

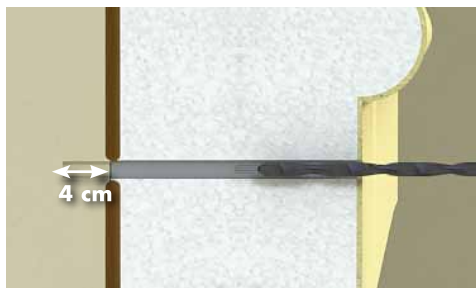
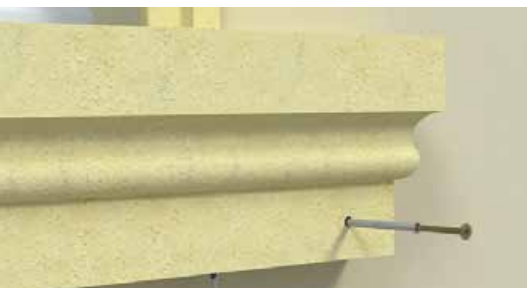
→ on backings of the MPL* type whatever the size of the moulding;

→ on window sills on all substrates whatever the size of the moulding.

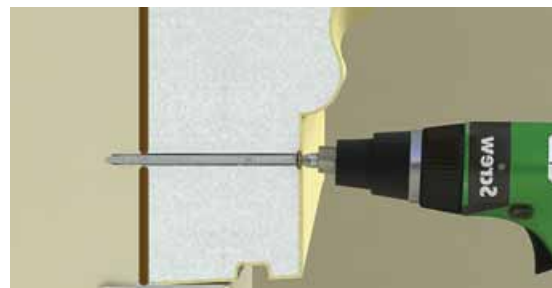
■ The mechanical fastening is always done once the gluing is completed (after drying for 24 hours). It is done either with dowels or with threaded rods, when the maximum size of the dowels is not sufficient.

[7A] Use three mechanical fasteners for a length of 2 m in a pattern of one dowel / threaded rod in the centre and two others 10 cm from each end. For a different length, adapt the number of fasteners proportionally.

*mortar, plaster, lime



[I A]





[I B]

I. FASTENING BY DOWEL

■ Type of dowel recommended: SPIT hammer anchor plug, complying with the European technical approval, Socotec C92909, open expansion by bichromate galvanized steel screw. The sleeve of this plug is made from nylon with anti-rotation fins and ends in a retaining collar.

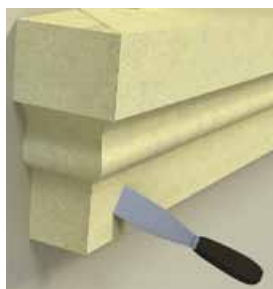
[I A] Check to see that the moulding is well adhered to the wall. Drill at the right diameter and at the right depth. The anchorage in the substrate must always be a minimum of 4 cm.

[I B] Slide the dowel into the hole. Insert the screw into the dowel, drive it in with a hammer and finish by screwing it in.

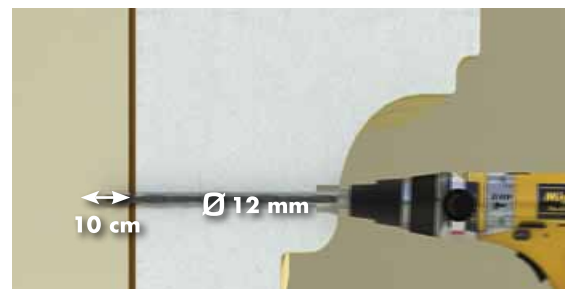
DESCRIPTION	DRILL DIAMETER (MM)	TYPE OF SUPPORT	ANCHOR DEPTH
SPIT NYLON 	10	full support	4 cm minimum
SPIT PROLONG TYPE F 	12 ; 14 ; 16	cavity support	5,5 cm minimum



[I C]



[I C]



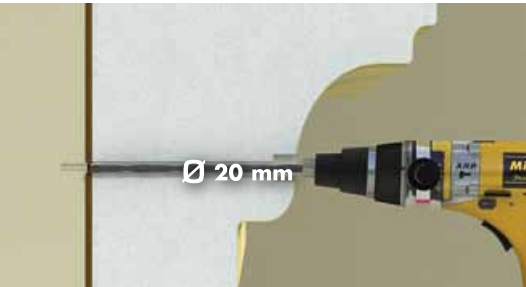
[II A]

II. FASTENING BY THREADED ROD

[I C] Countersink the head of the screw in the interior of the moulding with the adhesive DOMOSTYL® HYBRID. To remove spots of DOMOSTYL® HYBRID glue on the products or the tools, use White-spirit. Use the sand provided with the mouldings to give the product an homogeneous surface.

■ The following type of threaded rod is recommended: rod of galvanized stainless steel with a diameter of 12 mm and a length adapted to the moulding.

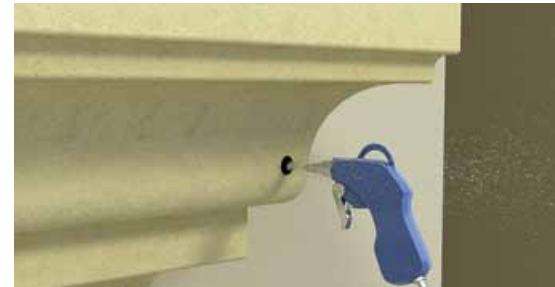
[II A] Drill through the moulding with a 12 mm drill and drill into the substrate to a depth of 10 cm.



[II B]



[II C]



[II D]

[II B] Re-drill the moulding (only the moulding) with a drill that is 8 mm wider, that is 20 mm.

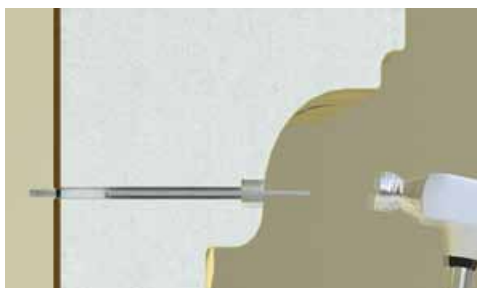
[II C] Slightly enlarge the size of the hole in order to be able to put a washer on the threaded rod later. The washer must have a diameter of 25 mm and will rest on the polystyrene.

[II D] Pump air under pressure into the opening in order to disperse the cement and polystyrene dust.



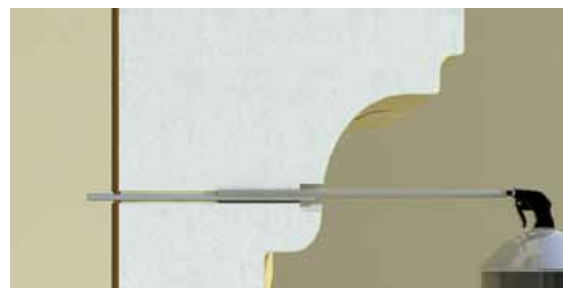
[II E]

[II E] Inject the proper dose of chemical sealant (SPIT Epomax 380 ml) into the hole in the substrate (not in the moulding).



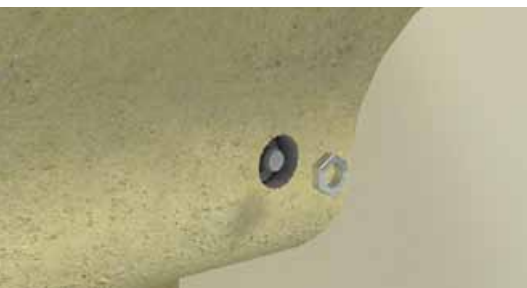
[II F]

[II F] Slide in the threaded rod (cut to the right size) and drive it into the hole in the substrate using a hammer.



[II G]

[II G] Fill the space with PU foam extruded by spray can.



[II H]

[II H] Delicately put the washer and the nut in place by hand (wait 24 hours before giving it a final tightening). The end of the rod must be well inside the moulding and may not protrude beyond it.



[II I]

[II I] Re-fill with DOMOSTYL® HYBRID adhesive. Use the sand provided with the mouldings to give the product an homogeneous surface.



[8A]



[8A]

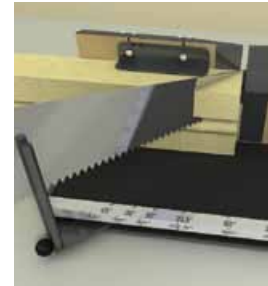
8. CONTACT SURFACE MOULDING/FAÇADE

[8A] In order to avoid infiltration of water between the moulding and the substrate it is essential to put down a waterproof seal with the DOMOSTYL® HYBRID adhesive over the entire outer edge of the moulding. This will be immediately smoothed with a finger and may not contain any break.

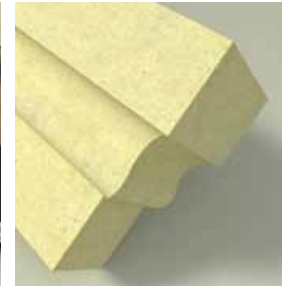
DOMOSTYL® CUSTOMIZED ADDITIONAL INFORMATION



[9A]



[1A]



[1A]

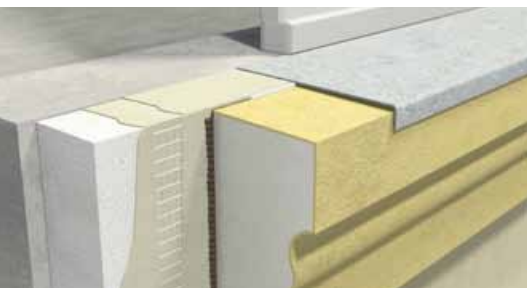
9. FINISHES

[9A] The DOMOSTYL® CUSTOMIZED façade mouldings must be painted exclusively with acrylic paint intended for façades. NMC recommends applying a minimum of two coats of paint. The mouldings can be painted 12 hours after installation.

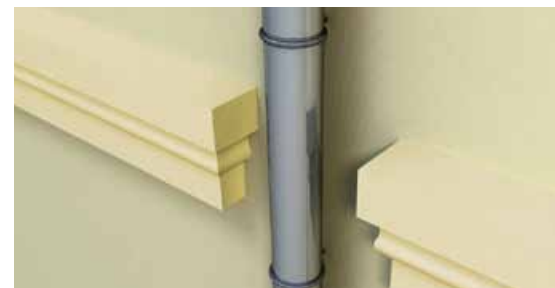
1. CONSTRUCTION OF WINDOW SILLS

■ The DOMOSTYL® moulding selected for constructing window sills must be adapted to suit the dimensions of the opening. They have a slope of $\pm 5\%$ on the upper part and a drip groove on the underside in order to facilitate water drain-off.

[1A] The ends of the window sills must be finished with corners cut at 45° (mitre cuts). To save time, the ends (corners cut at 45°) can be assembled with the window sill before fastening to the façade (the day before, for example) or if not, at the same time as the installation.



[1B]



[2A]

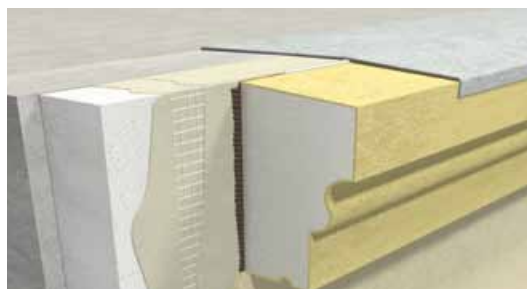
2. SPECIAL CASES

[1B] When the DOMOSTYL® mouldings are installed as a window sill, it is always necessary to make sure that there is a good jointing between the window sill and the opening by installing a covering made of zinc or aluminium.

Certain cases necessitate a special mounting. Please refer to the illustrations.

[2A] Rainwater pipes

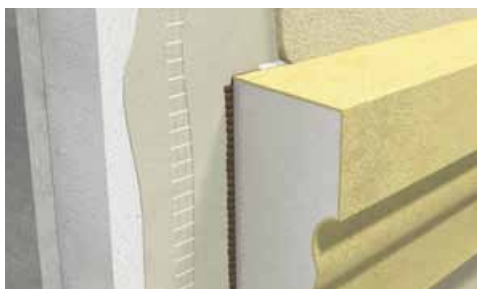
When a rainwater pipe is present, the moulding must be cut on both sides and must end with a 45° mitre cut.



[2B]

[2B] Moulding on the upper part over ETI

When the moulding is in an acroterion (for example in the junction with a flat roof), a zinc cap has proven to be indispensable.



[2C]

[2C] Installation of a string course over ETI



[2D]

[2D] Handling of window sills over ETI



3. TECHNICAL ASSISTANCE

NMC offers technical assistance for starting up every work site, whatever its size. In addition, NMC technical advisors are at your disposal for any additional information. They will be able to help you resolve special cases. For help with any question, please do not hesitate to contact your sales representative.

4. WARRANTY

On our DOMOSTYL® products, we guarantee the following characteristics for a period of 10 years (as of the production date):

1. Respect of the tolerances agreed upon between the parties;
2. The state of the surface in accordance with the reference samples.

The above-mentioned list is restrictive and exclusive. The above-mentioned warranty only applies if the product has not been damaged as a result of exterior contact, either mechanical or chemical, and if it has been stored in good conditions in its original packaging and away from light.

NMC sa does not, in any case, guarantee any damage resulting from the installation.

We strongly advise our installers to take on decennial liability insurance to cover the installation. NMC sa reserves the right to examine the damaged goods. If required, the claimant is obliged to return the defective articles to NMC sa.

Should certain products no longer conform to the two above-mentioned points, NMC sa will bear only the expenses for the replacement product, but will not, in any case, bear the costs of dismantling the defective product, or reinstallation, nor any other direct or indirect expense.



NOTE

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