

DOMOSTYL®

INSTALLATION INSTRUCTIONS



looks & durability



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FIELD OF APPLICATION

DOMOSTYL®, standard mouldings based on polyurethane

DOMOSTYL® offers a unique concept of decorative sections for façades of high-density polyurethane that makes 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.

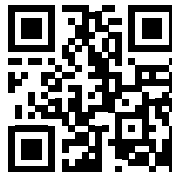
DOMOSTYL® offers a range of decorative elements for façades that includes string courses, window sills, window/door frames, rosettes, headers, boss stones, consoles, and keystones.

DOMOSTYL® CUSTOMIZED, mouldings based on expanded polystyrene

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.

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.

DOMOSTYL® CUSTOMIZED has received a French technical approval issued by the CSTB (Scientific and Technical Centre for Building - France)



Download the approval issued
by the CSTB



Download the approval issued
by IFT Rosenheim



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.

DOMOSTYL® standard mouldings based on polyurethane

Mounting on traditional substrates



[3A]

The following substrates are authorized for DOMOSTYL® :

- 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®;

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.

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. In addition, you must ensure that the temperatures remain stable for 48 hours after application.

3. MARKING THE POSITION

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



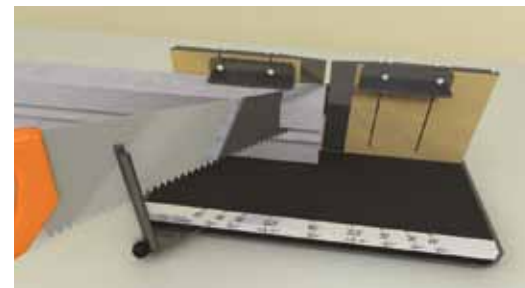
[3B]

[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 hand-saw).



[5A]



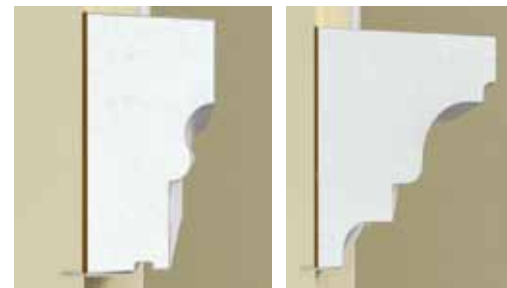
[5B]

5. GLUING

■ To glue the mouldings, NMC recommends the use of the adhesive DOMOSTYL® HYBRIDE which is packaged in cartridges.

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



6. TREATMENT OF THE JOINTS

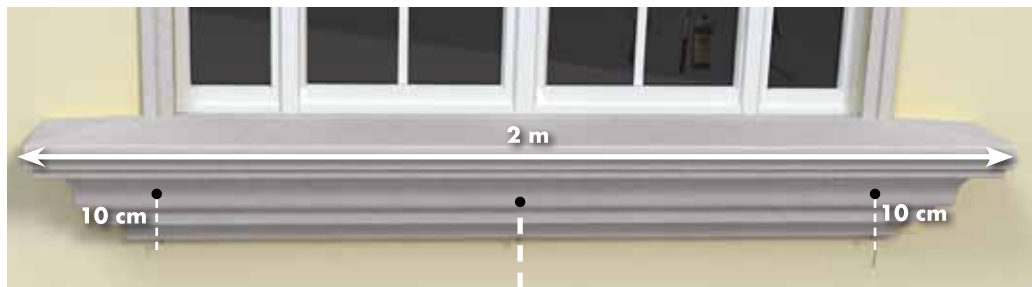
■ Use the same adhesive for the treatment of the joints and mitre cuts. Between each length, take care to leave the joint well filled with an adhesive layer of ± 3 mm; this will be smoothed with a spatula and made invisible.

7. MECHANICAL FASTENING

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

- when the overhang is greater than 7cm (largesized 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.

* mortar, plaster, lime



[7A]



[7B]

■ 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 recommended differs according to the foundation (hollow or solid): when there is full support, use SPIT NYLONG min. 8 mm dowels which are 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. When used on hollow materials, use a SPIT PROLONG F dowel.

[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 5 cm. Blow clean with compressed air.

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



[7C]

[7C] 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.



8. CONTACT SURFACE MOULDING/ FAÇADE

■ 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.

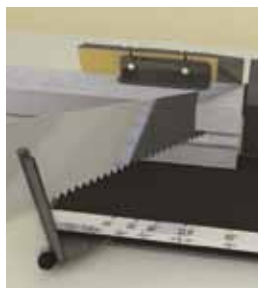


9. FINISHES

■ The DOMOSTYL® 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.

DOMOSTYL®

Construction of window sills and rainwater pipes



[1A]



[1A]



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] 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.

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.

RAINWATER PIPES

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

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

DOMOSTYL®	Traditional substrates	
	m/cartridge	consumption/m
Doors or window frames		
NA, MA2	4-4,5 m	65 ml/m
MA1, MA3, MA10, MA11, MA12, MA13, MA14	2-2,5 m	100-120 ml/m
MA15	1,5-2 m	130-170 ml/m
MA16	3-5 m	65-85 ml/m
String courses		
MA20, MA22	2-2,5 m	120-150 ml/m
MA21, MA60, MA61	2-3 m	100-140 ml/m
Window sills		
FA10, FA11, FA13	1-1,5m	150-200 ml/m
FA12, FA14, FA15	2-2.5 m	120-150 ml/m
Rosettes		
RA60	3 pces	95 ml/pce
RA61	4 pces	70 ml/pce
Consoles		
CA11 light, CA12 light	9 pces	30 ml/pce
CA10 light	7 pces	40 ml/pce
Boss stones		
BA10 light, BA11 light	5 pces	60 ml/pce
Keystones		
SA1,SA2	5 pces	60 ml/pce
Headers		
GA1, GA2		290 ml/pce
GA3		450 ml/pce

DOMOSTYL® CUSTOMIZED, mouldings based on expanded polystyrene

MOUNTING ON TRADITIONAL & ETI SUBSTRATES



After reception of the goods , please store placed down flat and overlying on entire length. Do not store upright or leaning side ways !



The following substrates are authorized for DOMOSTYL® CUSTOMIZED :

- core of poured concrete
- concrete coated with a coating, porcelain or glass paste
- coated masonry
- uncoated masonry
- masonry clad with a hydraulic MPL coating (mortar, plaster, lime): in this case a cap and mechanical fastening are compulsory
- external thermal insulation (ETI)

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.

2. CLIMATIC CONDITIONS

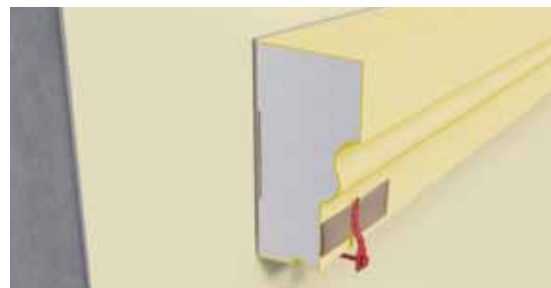
■ Installation should be carried out in dry conditions, on a dry substrate and at temperatures higher than 5°C. Special precautions can be taken to respond to these conditions: covering the scaffolding with a tarpaulin and heating, drying of the surface before the application. In addition, you must ensure that the temperatures remain stable for 48 hours after application.



[3A]



[3B]



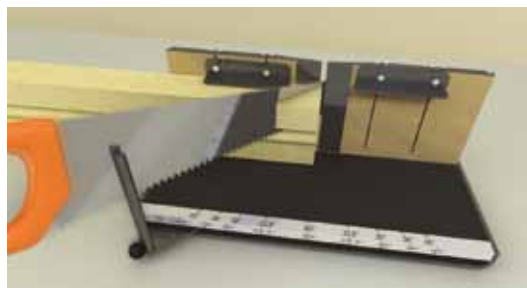
[3C]

3. MARKING THE POSITION

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

[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] 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. CUTTINGS

■ 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.



[5A]

5. GLUING

■ To glue the mouldings, NMC recommends the use of the adhesive DOMOSTYL® HYBRIDE which is packaged in cartridges.

[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]

[5B] 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® FILLER mastic in a cartridge and proceed by double pasting.



[6A]

■ 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 ± 10 mm between the mouldings at the intermediate joints.

Attention: particularly wet and cold weather conditions can delay the drying of the glue for several days. Once installed, the products should not in any way suffer frost for a minimum of 48 h.



[6B]

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



[6C]

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



[6D]

[6D] Hollow out the point in the shape of a "V" over ± 8 mm.



[6E]



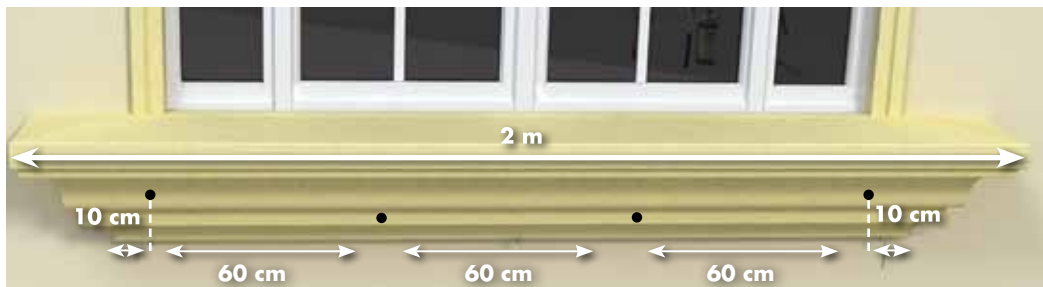
[6E]



[6F]

[6E] Fill the hollow obtained in this way with DOMOSTYL® FILLER mastic 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

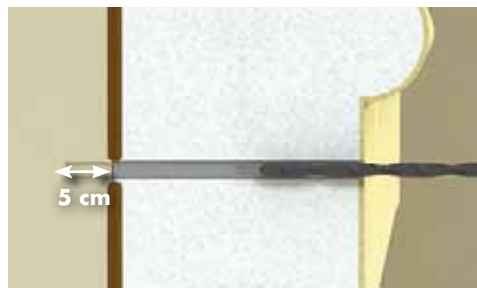
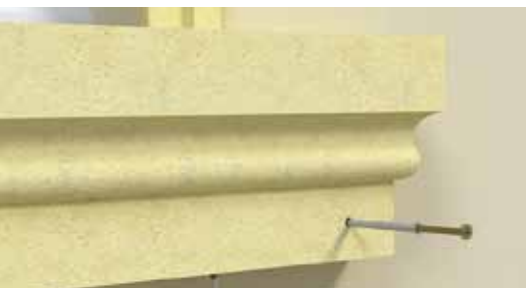
■ Cases where it is necessary use mechanical fastening in addition to gluing:

- when the overhang is greater than 7cm (large-sized moulding) whatever the type of substrate;
- on backings of the MPL*
- on window sills on all substrates whatever the size of the moulding.

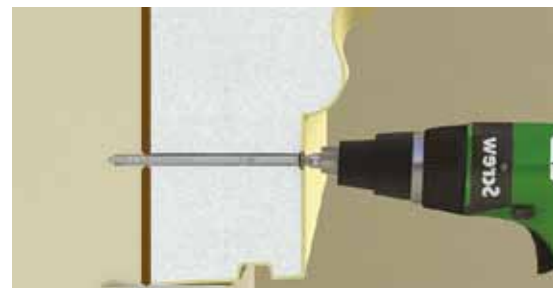
■ The mechanical fastening is always done once the gluing is completed (after drying for 24 hours). It is done either with dowels or with threaded rods, when the maximum size of the dowels is not sufficient.

[7A] Use 4 mechanical fasteners for a length of 2 m in a pattern of one dowel / threaded rod every 60 cm. 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 full substrate must always be a minimum of 5 cm; the anchorage in the cavity substrate must always be a minimum of 7 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.

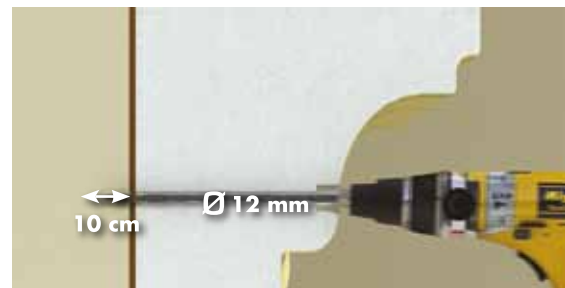
DESCRIPTION	DRILL DIAMETER (MM)	TYPE OF SUPPORT	ANCHOR DEPTH
SPIT NYLON 	10	full support	5 cm minimum
SPIT PROLONG TYPE F 	12 ; 14 ; 16	cavity support	7 cm minimum



[I C]



[I C]



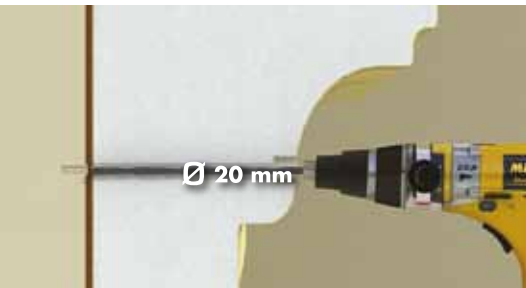
[II A]

II. FASTENING BY ROD

[I C] Countersink the head of the screw in the interior of the moulding with the mastic DOMOSTYL® FILLER. To remove spots of DOMOSTYL® FILLER mastic 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.

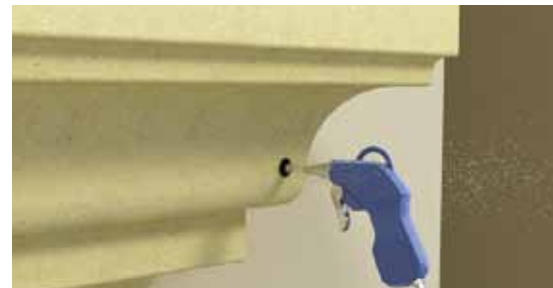
[II A] Drill through the moulding with a 12 mm drill and drill into the substrate to a depth of 10 cm.



[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.

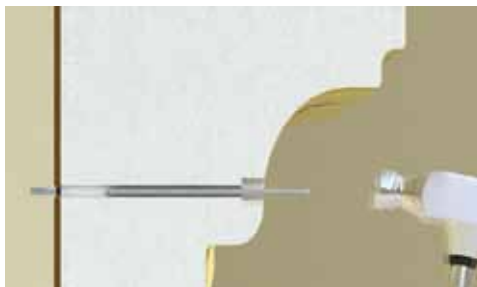
[II C] Slightly enlarge the size of the hole in order to be able to put a washer on the threaded rod later. The washer must have a diameter of 25 mm and will rest on the polystyrene.

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



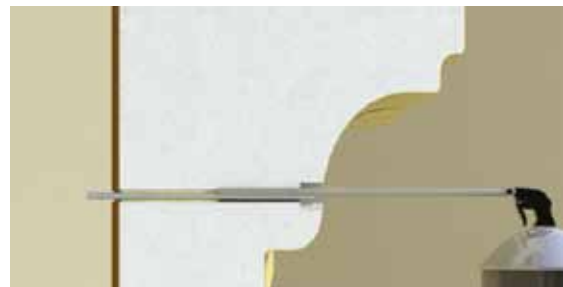
[II E]

[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® FILLER mastic. Use the sand provided with the mouldings to give the product an homogeneous surface.



[8A]



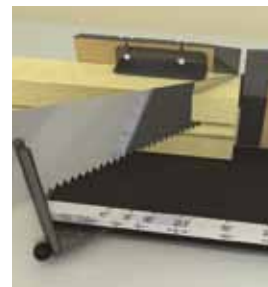
[8A]

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® FILLER mastic 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



[1A]



[1A]

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.

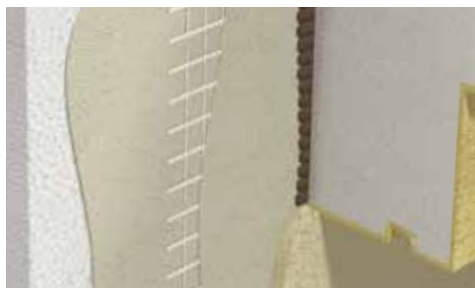
1. CONSTRUCTION OF WINDOW SILLS

■ The DOMOSTYL® CUSTOMIZED 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]

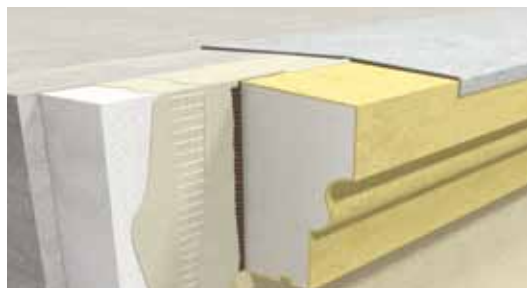
2. SPECIAL CASES

[1B] When the DOMOSTYL® CUSTOMIZED 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



[2C]

[2C] Installation of a string course over ETI.



[2D]

[2D] Handling of window sills 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.



NMC sa

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