### TECHNICAL BROCHURE

PRODUCTS AND INSTALLATION



### TABLE OF CONTENTS

Presentation of the tools needed for the installation of decorative mouldings, ceiling medallions and baseboards NOMASTYL® PLUS, ARSTYL® and WALLSTYL®			
Inspection instructions before installation			
Decorative mouldings: NOMASTYL® PLUS /ARSTYL® / WALLSTYL®			
General installation instructions	р. 11-15		
ARSTYL® Z40 / Z41/Z42	р. 17-19		
ARSTYL® Z7	p. 21-23		
Decorative element AC1	р. 25-26		
Special cases	p. 27-31		
Decorative mouldings for indirect lighting:			
WALLSTYL® WT4	р. 33-35		
Mounting on one side	р. 37-38		
Decorative mouldings: ARSTYL® FLEX	p. 39-40		
Chair-rails: ARSTYL® / WALLSTYL®			
Curves for chair-rails: NOMASTYL® PLUS/ARSTYL®			
Baseboards: WALLSTYL®			
Ceiling medallions: NOMASTYL® PLUS / ARSTYL®			
Ceiling medallions: ARSTYL® R60 and R61 combined with Z60 and Z61 mouldings			
Pillars: ARSTYL®			
Niches and corbels: ARSTYL®	p. 65-66		
Columns: ARSTYL®	p. 67-73		
Beams: NOMA®BEAM	p. 75-78		
Wall panels: NOMA®STONE	p. 79-85		
Painting	p. 87-89		
Adhesive consumption table	p. 91-93		
Calculation: indicative value for the duration of the installation			
Datasheets for NMC products			
NMC locations around the world	p. 118-119		



## PRESENTATION OF THE TOOLS



### VARIO TOOLBOX

- Plywood mitre box (I: 47 cm, h: 18 cm, w: 18 cm)
- For 90° mitre cuts
- Graduations at 90°, 45°, 36°, 30° and 22.5°
- Screw metal brackets to be set according to the height of the moulding
- Suitable for mouldings up to a maximum height of 17.5 cm
- Aluminium finish carrying case (l: 67 cm, h: 27 cm, w: 29 cm)
- Contents of case: mitre box, 2 saws, steel rule, mobile bracket, cartridge gun, cord, cutter, folding ruler, set of 'Japanese' spatulas, grouting tool, pencil



### VARIO EXTENSION

- Plywood (l: 23 cm, h: 36 cm, w: 1 cm)
- 2 stop plates
- Bearing edges protected by metal plates
- 4 bolt with nuts
- Used only for cutting the ARSTYL® Z7 moulding (see page 21)



### VARIO PLUS TOOLBOX

- Stainless steel, foldable (l: 49 cm, h: 31 cm, w: 25 cm)
- ullet For mitre cuts from 30 to 90° ullet Precise angle setting
- Adjustable metal bracket with millimetre screw adjustment according to height of the moulding
- Aluminium finish case (l: 66 cm, h: 39 cm, w: 14 cm)
- Contents of case: mitre box, NMC saws: HDPS/PU length 50 cm, set square, folding ruler, pencil, spatula handle, coloured chalk powder for cord, cutter, wide 'Japanese' spatula



### SET-SQUARE FOR VARIO PLUS

- Metal set square with ruler, length 18 cm
- Angle scale adapted to the scale of the Vario Plus mitre box
- Visible mitre cut angle setting (no reduction by half necessary)
- Graduation in steps of three degrees
- For internal and external tabs



### AD MITRE BOX (FOR LARGE DECORATIVE MOULDINGS)

- Plywood (inside dimensions) I: 40 cm, h: 28 (18) cm, w: 25.5 cm
- For straight cuts as well as at 45° and 22.5°. Simple structure
- Adjustable attachment for optimal insertion of mouldings



### nmc painter's spatula

- With wood handle and solid spatula attachment (total length: 19.5 cm)
- Flexible and tapered spatula with rounded blade (length: 4.5 cm)
- For precise coating of tabs and joints



### HDPS / PU SAW

- For polyurethane (PU) and high density polystyrene (HDPS) products:
- ARSTYL®, NOMA®BEAM, WALLSTYL®
- Available in 2 lengths: 50 and 60 cm
- $\bullet\,$  The 60 cm saw can be used to cut very large mouldings
- Specially sharpened saw teeth
- Long service life
- Ergonomic hand grip



### PS SAVV

- For cutting polystyrene (PS) products to size:
- NOMASTYL® PLUS
- Total length 59 cm
- Blade length 44 cm, blade width 10 cm
- Blade thickness 1 mm
- Ergonomic hand grip



### ELECTRIC MITRE SAVV

For cutting our decorative mouldings, we also recommend a circular mitre saw. This saw enables our mouldings to be cut to precise dimensions.

• Wear eye and ear protection

When using, note that the saw blade is suitable for cutting synthetic materials to size (large teeth) and that you can only cut at low speed.

### INSPECTION INSTRUCTIONS

### Instructions for checking NMC products before their implementation

NMC products are manufactured using state-of-the-art industrial processes and undergo continuous quality checks.

### Requirements of the company or the craftsman in charge of implementation

- A craftsman who must provide impeccable work has a right to flawless products.
- The accuracy of adjustment of the mouldings must be guaranteed.
- They must not be damaged or deformed.
- Exception: Slight deformations or irregularities of NOMA® STONE panels are not a reason for a claim.
- Any factory-applied primer must adhere properly to the mouldings.
- The products must not be dirty or wet.
- The assembly adhesives must be suitable for the products.
- The expiry date of the assembly adhesives must not be exceeded.
- The mitre boxes must work perfectly.
- The saw blades must not be rusted or warped.

### Checks by the company or the craftsman in charge of implementation before the use of mouldings, adhesives and tools:

- Check the type of moulding and for absence of transport damage, damage or contamination associated with delivery.
- Check the accuracy of the fitting of the mouldings and the paint or film applied at the factory.
- Check the suitability and the expiry date of the adhesive.
- Check the tools (trial cut).
- When storing mouldings, ensure they are kept flat in a dry environment.
- Check the suitability of the mouldings for the intended use.

### **Claims procedure**

- If defects are found, the manufacturer must be notified immediately.
- The products affected must be returned.
- Products that are not defect-free must not be used.
- Tools that do not work must not be used.
- Note: Due to their physical properties, the products and their media can result in variations in natural coefficients of expansion and both joint adhesive and joint coatings being visible.

### **SURFACE TREATMENT**

### Surface in general

The main contractor performs the services under their own responsibility, under the terms of the contract. For this purpose, it must comply with the rules of the art as well as legal and regulatory provisions.

The main contractor must also check if the surface is suitable for the performance of the contractual services: the installation of the mouldings, the interior, before coating or papering the walls and ceilings.

The ambient temperature must be between +5° and +35 °C.

Mouldings should be stored in a dry environment. In this case, the temperature must be kept between 15 and 25 ° C, the relative humidity between 45 and 65% and low lighting.

### The surface for the installation of mouldings:

- Solid, hard, dry and flat
- If there is existing wallpaper, check its adhesion
- Apply a primer on highly absorbent substrates
- Apply a primer on wood
- Apply a primer on metal
- Clean tiling
- Sand down varnished surfaces
- On non-absorbent surfaces, use DOMOSTYL® Hybrid adhesive

### The surface for wall panels:

- These must be dry and withstand the high stresses caused by the mechanical fixing.
- Plasterboard panels (dry construction partitions) are suitable only in certain conditions.
- Outdoors, use is limited.



### DECORATIVE MOULDINGS

NOMASTYL®PLUS / ARSTYL®/ WALLSTYL®





### SECURING THE VARIO MITRE BOX

• The VARIO mitre box can be fixed to the worktop or the staging with the existing aluminium brackets using two clamps (not included).



• Adjust the sliders of the mitre box to the height of the moulding or the side (distance between the bottom edge of the moulding and the ceiling).



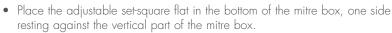
- Determine the height of the moulding on the wall and the angle.
- Mark the height of the moulding on the wall using a chalk line or a laser level.



- Measure the angle of the corner of the wall using the adjustable set-square.
- For the VARIO PLUS mitre box, use the set-square provided.







- Measure the distance between the two ends of the set-square.
- Divide this value by 2 and set the saw guide to the value obtained. Ensure that the saw passes through the middle of the adjustment screws, correcting the position as necessary.
- With the VARIO PLUS mitre box, record the value on the set-square scale and set the saw guide accordingly.

The procedure applies to both corners inside and outside angles (mitre).



### CUTTING THE MOULDINGS TO SIZE

 Place the moulding in the mitre box: the bottom of this represents the ceiling, the vertical portion with the slider corresponds to the wall. The lower part of the moulding is pushed under the sliders.

Exception: if, when changing direction, part of the moulding moves away from the ceiling (e.g. in a stairwell), refer to "Mouldings in a stairwell" on page 28).

• Mitre cut the moulding using the appropriate saw:



NOMASTYL® PLUS: PS sawARSTYL®: HDPS/PU sawWALLSTYL®: HDPS/PU saw





• Lightly sand the cut edges and the edges of the moulding with fine sandpaper (150 grit or less) or cutter and remove the sawdust with a damp sponge.





### FITTING THE MOULDINGS

- Using a cartridge gun, generously apply the ADEFIX® adhesive in a continuous bead on both bonding surfaces (see . "Adhesive usage table" on page 91).
- Position the mouldings immediately by pressing lightly (avoid pressing with your fingers).





 For WALLSTYL® and ARSTYL® mouldings with a height / span of 10 cm or more, apply ADEFIX®PLUS adhesive to the cuts and corner mitres so that it forms a 2-3 mm joint. The adhesive should not make a bead when the mouldings are pressed against one another.





• If necessary, the ADEFIX® PLUS adhesive can be removed cleanly with white spirit.





• Finish the adhesive joint with ADEFIX® adhesive.





• Smooth the joint with the NMC painter's spatula.



• Leave to dry for 2 to 8 hours (depending on the humidity), then lightly sand the joints with emery paper (150 grit or finer).



- $\bullet$  Finish the ceiling and wall joints as well as the mitre joints with ADEFIX  $^{\otimes}$  adhesive.
- Leave to dry for 2 to 8 hours (depending on the humidity). Apply the paint finish during the next two weeks (refer to the "Painting" section on page 87).





### DECORATIVE MOULDINGS

ARSTYL® Z40 - Z41 - Z42



### CUTTING THE Z40 / Z41 / Z42 MOULDINGS TO SIZE

The Z40 / Z41 / Z42 range consists of three types of moulding.

- Z40 is a straight moulding (no ornamentation).
- Z41 includes ornamentation at its centre.
- Z42 is a moulding with two corner ornamentations.





- If cutting using the VARIO mitre box, the sliders must be unscrewed then re-attached with their underside facing up. This allows the height of the moulding to be adjusted.
- This is not necessary when cutting with the VARIO PLUS because the vertical part of this mitre box is higher.
- The Z42 moulding must be cut in the centre at right angles. The ornamentation must then be cut according to the angle required and will each make a section 50 cm long (see the diagram on page 19).











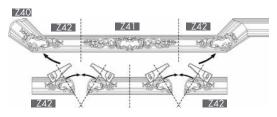
### CUTTING MOULDINGS TO SIZE – IRREGULAR CORNERS

• If you need to decorate a corner of a wall with an angle other than 90° with the Z42 moulding, ensure you cut it to size to give the smallest ornament.

It is advisable to inform the customer in advance.



• When placing, you must make allowance for a 2 to 3 mm adhesive joint. For the remaining operations, follow the method applicable for decorative mouldings (page 11).



### **INFORMATION**

- In most cases.
  - the Z41 moulding is placed in the middle of the wall (according to the length of the wall, the moulding can also be juxtaposed several times);
  - the Z42 moulding, when cut to size, is placed in the inside corner; it is not possible to use this for an outside corner;
  - the Z40 moulding is placed between the Z41 and Z42 ornamental mouldings as well as outside corners.



### TIP:

• If you start with the Z40 moulding, make sure that the arrow on the back of the moulding points towards the ceiling during installation.





### DECORATIVE MOULDINGS

arstyl® *z7* 





### ATTACHING THE VARIO EXTENSION

- Remove the sliders from the vertical part of the mitre box.
- Attach the plates of the VARIO extension to the vertical part of the mitre box using the screws provided.



- Attach the sliders to the plates of the VARIO extension.
- No extension is needed when cutting to size using the VARIO PLUS mitre box: the height of the mitre box is sufficient.



### POSITIONING THE MOULDING ORNAMENT

The ornamentation on the Z7 is an acanthus leaf.

 The acanthus must be placed with the tip at the top and, as far as possible, must not be cut for the mitre.



 $\bullet\,$  The ornamentation is 33.5 cm. Mark this dimension on the wall.





 Measure the remaining distance between the last pattern and the wall (20 cm in this example) and take half of the result (here 10 cm).



 Starting from the middle of the non-ornamented moulding area (ideal cut) and move the equivalent of the value defined earlier (here 10 cm) outwards to determine the cut point (allow for loss).

### × Ideal cut

### Cutting point



• If the ornamentation has started and that this makes this unsightly, it can be removed completely with the cutter. The corresponding places can be smoothed off with ADEFIX® adhesive.



• Then, follow the general positioning instructions for ARSTYL® decorative mouldings (page 11).

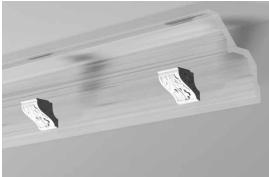




### DECORATIVE MOULDINGS

DECORATIVE ELEMENTS AC 1





### DECORATIVE ELEMENTS ARSTYL® AC 1

- Used solely in combination with the ARSTYL® Z24 moulding.
- Position the Z24 moulding. Calculate the distances between the AC1 elements (recommended distance: 30 to 60 cm) and mark them on the Z24 moulding.
- Glue the AC1 elements at the places indicated using ADEFIX® adhesive, allow to dry for 2 to 8 hours and then finish with the adhesive.



### TIP:

 Apply the paint finish to the Z24 moulding before positioning the AC1 elements (in the case of varnish, first apply a coat of primer).





### DECORATIVE MOULDINGS

CAS SPECIAL CASE



# Wrong



### 1. MOULDINGS IN A STAIRWELL

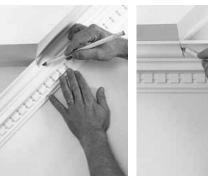
• When changing the direction of the moulding, for example, with a staircase (joist), cutting the moulding to size is done differently.

### Bottom edge of the moulding

- In this case, place the moulding in the mitre box so that its surface bonding to the wall rests on the bottom of the mitre box and its adhesive surface against the ceiling backs against the vertical part of the mitre box, under the sliders.
- Seen from the front, the moulding is cut starting from the top front edge to the bottom edge.















• Determine the cutting angle using the set-square.





### 2. STEPPED WALL

- In this zone, attach the profile only to the ceiling.
- This results in a gap between the bottom edge of the moulding and the step.





- Close the gap with a hollow moulding, for example the NOMASTYI \*PIUS B2.
- Retouch the bottom edge of the moulding with a coating.
- Extend the wall covering or wallpaper as far as the hollow moulding, stop at the bottom edge of the moulding attached to the ceiling.
- If the gap is thinner than the hollow moulding, cut it in the longitudinal direction (start with the cutter and then break it) and insert it into the gap.
- If the gap is larger, use for example the NOMASTYL® PLUS B5 hollow moulding.











### 3. EXPANSION JOINTS AND ANTI-VIBRATION ISOLATION JOINTS

- Glue the moulding on one side only, on the surface (ceiling or wall) that is rigid or does not transmit impact noise.
- The gap between the moulding and the surface of the unbonded side should have a uniform width. For this purpose, it is advisable to position a polystyrene plate about 6 mm thick in the unbonded area (using steel nails or dots of hot glue).
- After the mounting and drying of the adhesive, the plate can be removed.





### 4. HOLLOW JOINT

- Proceed in the same way as for the previous point.
- In the case of a hollow joint, the polystyrene plate can also stay in place under the moulding. It is positioned to be hidden by the moulding. As a general rule, an offset of half of the bonding surface of the moulding is enough. This offset allows the moulding to be attached to the polystyrene plate.







### 5. STOPPING A MOULDING

- Place the moulding in the mitre box (lower edge of the moulding under the sliders).
- Make a cut at  $45^{\circ}$  above the outer edge of the moulding (outer mitre cut).
- Sand down and dust off the cut edge, then attach the moulding with adhesive.



### TIP:

You can also make the elbow using hot glue. This allows the moulding to be positioned after just a few minutes, without the risk of inaccuracies in the outside mitre.











### DECORATIVE MOULDINGS FOR INDIRECT LIGHTING

WALLSTYL® WT4





### PREPARE THE W/TA

- Mitre cut the mouldings at the right angle.
- If backlighting is planned, NMC reflective tape must be attached to the rear of the moulding to make it opaque.



### TIP:

If the light shines through despite everything, you can cover the reflective band with a white coating (for example a coat of paint).

• Before positioning the WT4, mark the position of the mounting clips on the wall. Use at least two clips per moulding (supplied with the profiles).



### TIP:

Place one clip at one end of the moulding and the other in the middle.





• Attach the clips to the wall.



### POSITION THE WT4

• Apply a bead of ADEFIX® adhesive or, preferably, ADEFIX® PLUS to the rear surface of the moulding.



• Slide the WT4 moulding WT4 onto the mounting clips; if necessary use nails, screws or additional points of hot glue.



• Cover the inside joints with reflective tape.





- Glue the vertical joints and mitre joints with ADEFIX® PLUS assembly adhesive. The glue joint should be at least 2 to 3 mm.
- After the glue has dried (2 to 8 hours), finish all the joints with ADEFIX® adhesive.
- After drying, check the coated places and if necessary retouch with ADEFIX® adhesive.
- During the next two weeks, apply the finishing coat (refer to the "Painting" section on page 87).





## DECORATIVE MOULDINGS FOR INDIRECT LIGHTING

MOUNTING ON ONLY ONE SIDE











- Check that the chosen moulding is suitable for indirect lighting. Choose the moulding so that it hides the fixture and is not in direct contact with it (minimum distance: 3 cm).
- Mark the height of the moulding of the wall (using a chalk line or a laser level)
  allowing for the distance to be left between the top edge of the profile and the
  ceiling (approx. 10 cm).
- Cut the mouldings to size, lightly sand the cut edges and remove the sawdust.
- Apply ADEFIX® adhesive generously or, preferably, ADEFIX® PLUS to the bonding surface of the moulding facing the wall. Glue the vertical and mitre joints using ADEFIX® PLUS joint adhesive. The glue joint between mouldings must be approx. 2-3 mm.
- Position the mouldings and fasten them with hot glue, nails or screws.
- After the glue has dried (about 24 hours), the nails or screws can be removed or driven further in and then camouflaged with ADEFIX® adhesive. In this case, be sure to protect them from corrosion.
- Finish the wall joints with ADEFIX® adhesive and allow to dry.
- During the next two weeks, apply the final coating (see the "Painting" section on page 87).

#### PREPARE THE NOMASTYL® PLUS OR WALLSTYL® MOUNTINGS

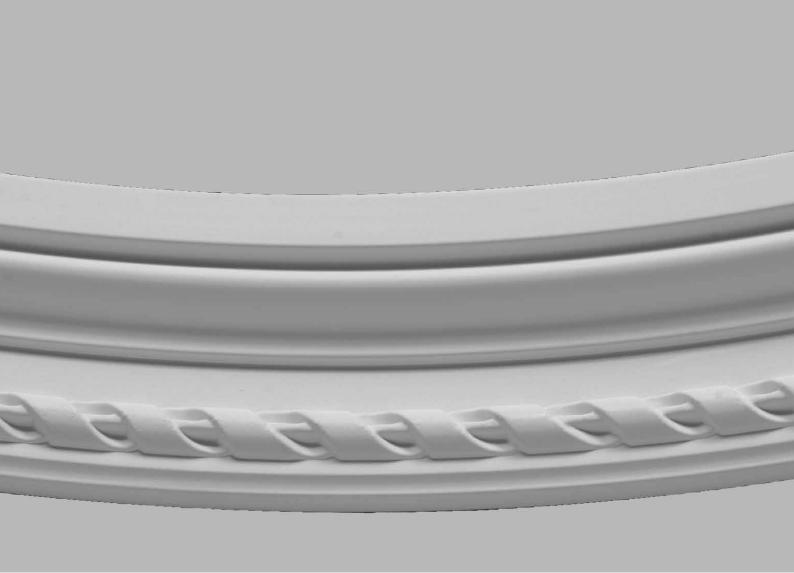
- If using a NOMASTYL® PLUS type moulding (e.g. TI, TL) or WALLSTYL®, be sure to stick NMC reflective tape to the back (roll of reflective tape: length 50 m x width 5 cm).
- This prevents the light shining through.
- The distance between the mounting and the moulding must be at least 3 cm.





If the light shines through despite everything, you can cover the reflective tape with a white coating (for example a coat of paint).

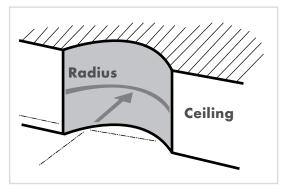
To avoid the formation of cracks in the joints, you can cover the whole moulding with a fine non-woven fabric. (Use an appropriate glue, for example Ovalit V.)

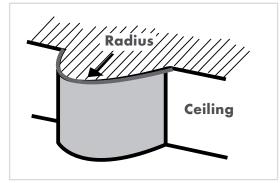


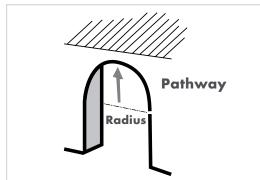
## DECORATIVE MOULDINGS

ARSTYL® FLEX









#### ARSTYL® FLEX - RADIUS

• Check the suitability of the moulding

Chair-rail	Dimensions	Minimum radius of the curve
Z1 FLEX	105 × 40 mm	140 cm
Z10 FLEX	40 x 20 mm	20 cm
Z13 FLEX	80 x 20 mm	55 cm
Z15 FLEX	40 × 40 mm	155 cm
Z16 FLEX	70 × 50 mm	165 cm
Z18 FLEX	60 x 50 mm	200 cm
Z19 FLEX	80 x 80 mm	250 cm
Z30 FLEX	80 x 20 mm	90 cm
Z31 FLEX	80 x 20 mm	90 cm
Z32 FLEX	80 x 20 mm	90 cm
Z1240 FLEX	40 x 40 mm	

## The radii refer to ceiling use.

Chair-rail	Dimensions	Minimum radius of the curve
Z1 FLEX	105 x 40 mm	110 cm
Z10 FLEX	40 x 20 mm	30 cm
Z13 FLEX	80 x 20 mm	70 cm
Z30 FLEX	80 x 20 mm	70 cm
Z31 FLEX	80 x 20 mm	70 cm
Z32 FLEX	80 x 20 mm	70 cm

## The radii refer to wall use, for example for a passage, a door, bull's-eye, etc.

- For the rest of the operation, follow the method applicable for decorative mouldings (page 11).
- In the case of walls curved towards the inside of a room (convex), bevel the rear face of the moulding towards the edge with the cutter (deepen the score at the back of the moulding). This gives a better fit.
- As far as possible, make the join to the standard ARSTYL® moulding (e.g. Z19 Flex to Z19) in a corner of the room.
- During the installation, secure the mouldings using nails or screws until the assembly glue has dried (about 24 hours).

#### TIP:

Keep the ARSTYL® FLEX mouldings warm until use (place them on a radiator or warm them with a hair dryer).

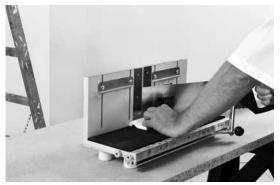




## CHAIR-RAIL

arstyl®/ Wallstyl®





## **CUT THE CHAIR-RAIL TO SIZE**

- Locate and mark the outline of the chair-rail on the wall (cord, laser level).
- Cut the chair-rails to size in the mitre box using an NMC HDPS-PU saw.
- When using an electric mitre saw to cut WALLSTYL® chair-rails, the blade must be suitable for synthetic materials (large teeth).



## **POSITION THE CHAIR-RAILS**

 $\bullet$  Apply a bead of ADEFIX  $^{\circ}$  adhesive to the mounting surfaces on the back of the profile.



- Position the chair-rails against the wall; strengthen their attachment if necessary with steel nails or dots of hot glue.
- Glue the vertical and mitre joints with ADEFIX® adhesive; the glue joint must have a width of at least 2 to 3 mm.
- Leave the glue to dry ( 2 to 8 hours) then finish the joints with ADEFIX®
  adhesive.
- During the next two weeks, apply the final coating (see the "Painting" section on page 87).





## CURVES FOR CHAIR-RAILS

NOMASTYL®PLUS /ARSTYL®





#### **INFO**

In the NOMASTYL® PLUS range, the chair-rail and corresponding curve have the same letter. O can be associated with O16 and O24, N with N24. There is no curve for the I chair-rail. In the ARSTYL® range. The Z10 chair-rail can be associated with the Z101, Z102, Z103 and Z104 curves. SP2-4 and SP2-5 are matched to SP2; SP3-3, SP3-4, SP3-6 and SP3-7 to SP3.

### DETERMINE THE POSITION

• -Mark the location of the frames on the wall or ceiling; if necessary, use a spirit level or a plumb line.





## CUT THE CHAIR-RAILS AND CURVES TO SIZE

- For curves curving towards the inside of the framework, cut the straight sections of curve along the mitre.
- Mitre cut the chair-rails at the corresponding angle.
- Lightly sand the cut edges with fine emery paper (150 grit or less) or the cutter and remove the dust.





• Adjust and mark the curves on the wall.







### POSITION THE CHAIR-RAILS AND CURVES

- Apply ADEFIX® adhesive to the back of the curve.
- Place and adjust the position of the curve.
- Apply a bead of ADEFIX® adhesive to the mounting surfaces on the back of the chair-rail. Glue the mitre.





- Place and adjust the position of the chair-rail. Adjust the height of the chair-rail with ADEFIX® adhesive. Ensure there is still a glue joint with a width of at least 2 to 3 mm in the mitre.
- Place the other curves and chair-rails.
- Leave the glue to dry (2 to 8 hours) then finish the joints and mitres with ADEFIX® adhesive.



• During the next two weeks, apply the final coating (see the "Painting" section on page 87).

### TIP:

- For curves curved outwards, you can use the factory cut mitres (45°) and possibly provide another additional change of direction.
- For ceiling framing with outside corners, do not use these curves in these corners.

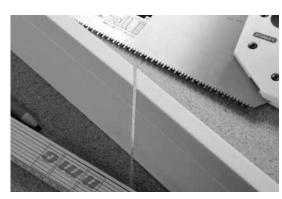




# BASEBOARDS

WALLSTYL®





## positioning the baseboards

- Cut the baseboards to size in the miter box with the NMC HDPS-PU saw.
- When using an electric mitre saw, the blade must be suitable for synthetic materials (large teeth) and low speed.
- Cut the ends of the mitre profiles.



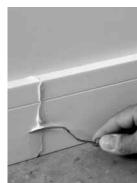


• Lightly sand the cut edges with fine Emery paper (150 grit or finer) or the cutter and remove the dust with a damp sponge.



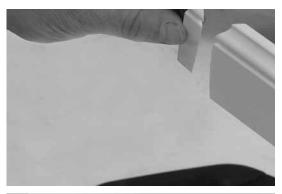


- Apply a bead of ADEFIX® adhesive to the two bonding surfaces on the back of the baseboard.
- Place the baseboards and possibly strengthen the attachment using nails or screws.
- Glue the vertical and mitre joints with ADEFIX® adhesive; the glue joint must have a width of at least 2 to 3 mm.





- $\bullet$  Allow the adhesive to dry (from 2 to 8 hours) then finish the joints with ADEFIX  $^{\circ}$  adhesive.
- During the next two weeks, apply the final coating (see the "Painting" section on page 87).



### ending the baseboard

- Lay the baseboard flat in the mitre box.
- Make a cut at 45° above the protruding edge of the baseboard (cut the outer mitre). Make a large enough reverse cut (45°).



• Sand and dust off the cut edge, and then secure it with ADEFIX® adhesive.



### TIP:

- For lighting, use only fixtures suitable for normally flammable materials.
  - Determine the position of the LED lighting.
  - Drill the openings; in the case of curved baseboards use a hole drill
- In case of large curves, the ends of the flexible baseboard must be secured at least with nails or screws.
- If cables or conduits pass behind the baseboard, check that this type of installation is appropriate (section, protection, insulation, ...).

If so, they must be attached to the back of the baseboard with adhesive, between the mounting surfaces, before it is positioned.





## CEILING MEDALLIONS

NOMASTYL® PLUS /ARSTYL®





## ALIGN THE CEILING MEDALLION

• Align the ceiling medallion on the ceiling, measure and mark its position.



• If necessary, create an opening for the electrical cable and the light fixture (hole saw, cutter).



## POSITION THE CEILING MEDALLION

- $\bullet$  Apply a bead of ADEFIX  $^{\otimes}$  adhesive along the whole edge of the ceiling medallion.
- If necessary, use warm glue in addition.



- Position the ceiling medallion on the ceiling, securing it as necessary with steel nails.
- Seal the surrounding joint with ADEFIX®.



- NMC ceiling medallions are coated with a primer coat of paint at the factory.
- All products with a primer coat of paint and grouted areas must be covered with a finishing coating within two weeks after installation (see the section "Painting" on page 87).

## INFO

- If you use additional hot glue, it is generally not necessary to cool them in advance.
- $\bullet$  If ceiling medallions are used close to light fixtures, the temperature must not exceed 70 °C.
- ARSTYL® ceiling medallions can also be used outdoors.
- In this case, the rear face must be treated with a synthetic primer before use. The gluing and joining should be done with DOMOSTYL® assembly adhesive (see the section "Painting" on page 87).



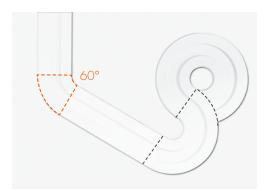


## CEILING MEDALLIONS

ARSTYL® R60 AND R61 WITH THE Z60 AND Z61 MOULDINGS



## define the position of the various elements





## TRACE THE CURVE

• Mark the outline of the curve.



• The back of the ceiling medallion is graduated every 5 degrees.







## CUT

- Cut the ceiling medallion by hand using the HDPS/PU saw along the traced line.
- If the trace is curved, use a jig saw.





- -Cut the mouldings to size and at the right angle in the mitre box using the HDPS-PU saw.
- Lightly sand the cut edges with fine Emery paper (150 grit or less) or a cutter and remove the dust with a damp sponge.





### POSITION THE CEILING MEDALLIONS AND MOULDINGS

- Apply ADEFIX® adhesive generously to the back edge of the moulding and the ceiling medallion.
- Apply the ADEFIX® PLUS adhesive to the ends of the mitre to form a joint 2 to 3 cm in width that does not form a bead when the separate elements are pressed together.
- If necessary, the adhesive can be removed with white spirit.

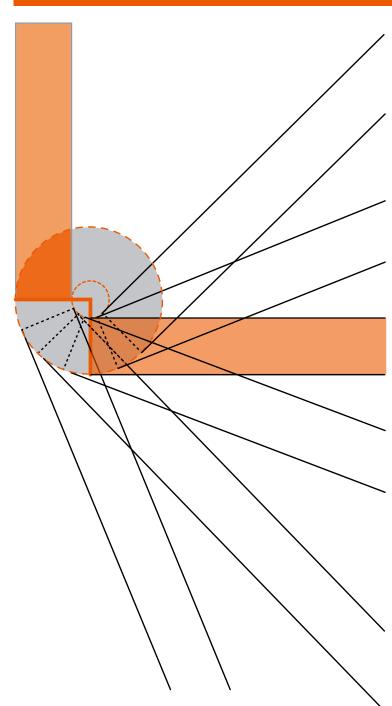


- Retouch the glue joint with ADEFIX® adhesive.
- Smooth the completed assembly with the NMC painter's spatula.
- Retouch all of the wall and ceiling joints as well as the mitres with ADEFIX®
  adhesive.



- Allow the glue to dry (from 2 to 8 hours) then sand the outsides of the joints lightly (Emery paper 150 grit or less) and retouch them again with ADEFIX® adhesive.
- During the next two weeks, apply the final coating (see the "Painting" section on page 87).







## PILLARS

ARSTYL®





#### DETERMINE THE POSITION

- Determine the position of the pillar. When installing in a passage, remember that the base and capital are larger than the fluted core.
- Adjust and mark the location with a spirit level or plumb line.





• Adjust the length of the pillar.





## CUT THE PILLAR BASE TO SIZE

- Cut the base to the right length (HDPS/PU saw).
- If there are baseboards, make the cut-out large enough.





- If the available height is less than 235 cm, the centre fluted section should be shortened by cutting the middle (two cuts). This eliminates the need to truncate the end of the splines.
- The pillar can also be elongated in the same way.



• Lightly sand the cut edges with Emery paper and remove the dust.



## POSITION THE BASE, THE CENTRE SECTION AND THE CAPITAL

- Apply a bead of ADEFIX® adhesive to the bonding surfaces on the back of the base.
- Position the base.
- Do the same for the fluted core and capital.





 $\bullet\,$  Glue the vertical and mitre joints with ADEFIX  $^{\circ}\,$  PLUS joint adhesive.



- Smooth with ADEFIX® adhesive.
- Allow a glue joint of at least 2 mm between the different parts of the pillar.



 Allow the glue to dry (from 2 to 8 hours) then sand the outsides of the joints lightly (Emery paper 150 grit or less) and retouch them again with ADEFIX® adhesive.



• Grout the outside joints with ADEFIX® adhesive.







- ARSTYL® pillars are covered with a coating of primer at the factory.
- Coat all products with primer; grouted and filled areas must be covered with a final coating within two weeks after installation (see the "Painting" section on page 87).





## TIP:

If you have to place a long NMC moulding NMC between the wall and the ceiling, you can skip the capital. Instead, you can put the moulding around the central part of the fluted pillar, for example, here, with ARSTYL® Z40.





## NICHES AND CORBELS

ARSTYL®





#### 1. ARSTYL® NICHES

- Determine the position of the niche, then adjust and mark it on the wall.
- Apply a bead of ADEFIX® adhesive to the bonding surfaces on the back of the niche. Position the niche (temporarily strengthen the fixing nails or use additional dots of hot glue).
- Allow the glue to dry (from 3 to 8 hours) then grout with ADEFIX® adhesive.



- During the next two weeks, apply the final coating (see the "Painting" section on page 87).
- If the niche has to bear a weight greater than 1 kg, it must be strengthened with additional mechanical fasteners (screws).



## 2. ARSTYL® CORBELS

- Proceed in the same way as for niches.
- If a horizontal support is provided (between two corbels), this must be kept in place with double-sided adhesive tape.
- If the support has to bear a weight greater than 500 g, the corbels should be strengthened with additional mechanical fixing. You can use the hollow part at the back of the corbel for this.





## COLUMNS

ARSTYI®





#### 1. COLUMNS

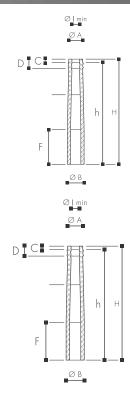
(cm)	SS1/FS1	SS2/FS2	SS3/FS3	SM3/FM3
øхН	20x250	25×250	30x250	30x300
øA	15,5	19,5	23,5	23,5
øB	19,5	24,5	29,9	29,5
С	4	6	8	8
D	8	9	11	11
Е	4	4,5	5	5
F	85	85	85	100
G	15	20	25	25
Н	250	250	250	300
h	246	244	242	292
øl min	10	14	18	18

### Designation "S" = smooth, designation "F" = fluted

- Possible internal diameter with cladding:
   Ø 20 cm: columns = 10 cm / Ø 25 cm: columns = 14 cm / Ø 30 cm: columns = 18 cm
- Calculate the diameter of a polygonal pillar:  $\emptyset = \sqrt{(a^2 + b^2)}$  (root of  $a^2 + b^2$ )



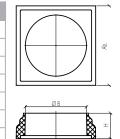
- the value 'h' of the drum of the column
  - + the "h" value of the Roman Ionic and scamozzi capitals and the "H" value of the Tuscan capital.
- Columns can be shortened in the lower third 'F'.
   If shortening the fluted columns, the grooves may be truncated.
   If the part of the fluted columns to shorten exceeds the difference between the 'G' of the column and the "H" value of the base, the spline will be truncated.
   (refer to the table above for the calculation or see point 4. For example, for the FM1, G = 15 cm and H of BT1 = 7.5 cm. The difference is thus 7.5 cm).
- The base does not change the height of the column.
  "H" indicates the height of the drum of the column.





## TUSCAN BASE

(cm)	BT1	BT2	втз
Ø	20	25	30
øΑ	-	-	-
øB	20	25	30
Ab.	26,5	32	39
L	-	-	-
Н	7,5	10	12,5
h	-	-	-



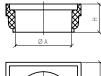
## 3. TOTAL HEIGHT OF COLUMNS WITH CAPS

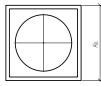
SS1 / FS1 avec CT1 =	253,0 cm
SS1 / FS1 avec Cl1 =	253,5 cm
SS1 / FS1 avec CS1 =	255,5 cm
SS3 / FS3 avec CT3 =	254,0 cm
SS3 / FS3 avec $CI3 =$	254,5 cm
SS3 / FS3 avec $CS3 =$	256,0 cm
SM3 $/$ FM3 avec CT3 =	304,0 cm
SM3 / FM3 avec Cl2 =	$304,5~\mathrm{cm}$
SM3 / FM3 avec CS2=	306,0 cm

SS2 / FS2 avec CT2	=	254,0 cm
SS2 / FS2 avec CI2	=	255,0 cm
SS2 / FS2 avec CS2	=	255,0 cm
FS1 avec CT1	=	303,0 cm
FS1 avec CI1	=	303,5 cm
FS1 avec CS1	=	304 5 cm

#### tuscan capitai

(cm)	CT1	CT2	СТЗ
Ø	20	25	30
øΑ	16	20	24
øB	-	_	-
Ab.	21	26	32
L	-	-	-
Н	7	10	12
h	_	-	-



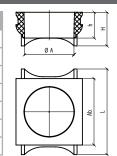


## 4. MAXIMAL POSSIBLE CUT ON FLUTED COLUMNS

 $\emptyset$  20 cm = 7,0 cm  $\emptyset$  25 cm = 9,5 cm  $\emptyset$  30 cm = 12,0 cm

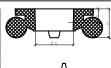
## ROMAN – IONIC CAPITAL

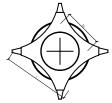
(cm)	CII	CI2	CI3
Ø	20	25	30
øΑ	16	20	24
øΒ	-	-	-
Ab.	21	28,5	32
L	26	34	41,5
Н	10	14	16
h	7,5	11	12,5



#### CAPITAL

(cm)	CS1	CS2	CS3
Ø	20	25	30
øΑ	16	20	24
øB	-	-	-
Ab.	24,5	35,5	42
L	25	30	35
Н	10	15	18
h	8,5	11	14











## 5. ASSEMBLY

• Determine the location of the column and make the level with the aid of a plumb line.





• Draw a circle around the plumb line points (the bottom diameter of the column at the base, the upper diameter of the column at the capital).





- Determine and mark the location of the capital.
- The capital can be screwed to the ceiling first (two screws inside the capital).









- With open capitals, drill two holes in the sides and screw it to the ceiling with screws and long dowels.
- Measure the height.





Mark on the shaft of the column the length that it must have.
 The length should be about 5 cm shorter than the height. For more precision, you can measure the column with the capital diagonally (from the lower side to the opposite upper side).



 Shorten the column to the desired length in the lower third (NMC HDPS/PU saw).





 $\bullet\,$  Slide the base of the shaft of the column, fit the capital and grout inside with ADEFIX  $^{\circ}\,$  adhesive.







• At the bottom, use the ARSTYL® column installation kit: put four metal set-squares so that they are hidden by the base and secure them with screws. Drill holes in the shaft of the column and insert hollow dowels.



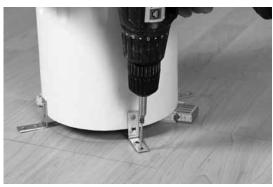


• Prepare the column for adjustment, mark and drill the holes for securing to the floor, insert the plastic dowels.









• In the upright position, slightly lift the column (using a folding rule as a wedge) and insert the screws at the base.



- Glue the base to the floor with ADEFIX® adhesive.
- Grout all joints and connections with ADEFIX® adhesive.





- Allow the glue to dry and then, within two weeks, apply the final coating (see the "Painting" section on page 87).
- In special cases, columns can also be fitted using shims and glue.
- $\bullet\,$  If a pillar should be wrapped, use half-columns. These are assembled with ADEFIX  $^{\circ}\,$  adhesive.





# BEAMS

NOMA® BEAM



#### PLACING A NOMA® BEAM BEAM

NOTE: all beams must be mechanically secured. The product guarantee is subject to fulfilment of this requirement.





- Determine the location of the product.
- Mark the trace of the beam.
- Cut the beam to size with a mitre box and NMC HDPS/PU saw.





- Use the installation kit for NMC beams:
  - 6 element kit for 2 m beams
  - 8 element kit for 3 m beams
- Attach the wood mounting elements with screws.



 $\bullet~$  Apply ADEFIX  $^{\otimes}~$  assembly adhesive.







• Position the beam and then the screw it or nail it to the mounting elements.





- Assemble the beams end to end with assembly adhesive.
- Coat the screw heads.
- Grout the beam joints with ADEFIX® assembly adhesive.



• Use a brush to give a wood structure to the joints.



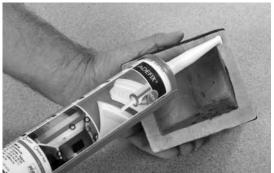
 Retouch the coated places with touch up paint within two weeks after the installation. Note that the touch-up paint was developed to match the texture of the beam. The glue-coated texture being different, retouched joints remain visible.







- If necessary, use a junction bracket.
- Beams can also be laid end to end without coating the joints.





#### POSITIONING A NOMA® BEAM CORBEL

 $\bullet\,$  Apply ADEFIX  $^{\otimes}\,$  assembly adhesive to the bonding surfaces of the corbel and then position it.





# WALL PANELS

NOMA®STONE











#### 1. EQUIPMENT NEEDED FOR THE INSTALLATION

- Portable circular saw with a disk for synthetic materials, otherwise jig saw, angle grinder and hole cutter
- Protective glasses,
   Ear protection,
- Dust mask,
- Water,
- Percussion drill
- Cordless screwdriver
- Hammer
- Screws and plugs (6-8 mm) suitable for support, approx. 40-50 pc. per panel
- Mastic ARDEX F5 for indoors
- Mastic NOMASTONE® with hardener for outdoors (NOMASTONE® can only be used outdoors in certain conditions; please contact the technical service)
- Denatured alcohol
- Spatula and modelling spatula
- Brushes in various sizes
- Rubber gloves
- Household sponge
- Assorted panel retouching paints (spray cans)

#### 2. INSTRUCTIONS FOR POSITIONING THE PANELS

- Measure the surface to be covered.
- Calculate the number of panels needed based on the dimensions of the panels.
- Note: the panel joints differ according to the patterns.
- Cut the panels with a circular saw with a blade for plastic.

#### TIP:

You can also make small cuts with a jig saw or angle grinder. For cut-outs for electric sockets, use a hole cutter.

- Drill holes by holding the panel against the wall.
- For holes, preferably choose where the panel is in direct contact with the wall.
   Wherever possible, make sure to drill into the joints and not in the patterns.
- When mounting outside and on mineral surfaces, use impact screws with dowels for concrete walls and stone.
- When mounting indoors, you can provide a lattice support. As a means of attachment, use for example Spax screws for wood and plaster walls.



#### TIP:

#### To drill in flat surfaces, we recommend using a hammer drill.

- According to the pattern, mount the panels contiguously or leave a distance of 3 to 5 mm between them.
- We recommend you fill any joints with foam before using the filler (e.g. with Ponal 2K foam).



#### PREPARE THE FILLER

#### Outdoor use (only in underbody cladding)

- Mix the filler.
- Depending on the weather conditions, ± 3% of catalyst is required per kg of sealant (5 kg sealant = 150 g of catalyst i.e. 3 x 30 ml bottles).
- To cover one metre of joint,  $\pm$  600 g of sealant is needed.
- Mix the sealant and catalyst well.
- The prepared mixture has a working time of 20 to 30 minutes.



#### TIP:

### To account for the speed of reaction of the catalyst, prepare a small amount first.

#### Indoor use

- Mix the sealant for indoor use (ARDEX F5).
- To do this, add water to the product to obtain a homogeneous and lump-free sealant (1 part water for 2 parts ARDEX F5).
- The prepared mix has a working time of approx. 30 minutes and can, with a thickness of 1 cm and at a temperature of 18 to 22°C, be painted after 1 day.



- Refine the work with a small spatula.
- Then, using a brush and a little solvent (water for ARDEX F5), draw a structure that resembles the surface of the stone or the joint. Spread the surplus sealant with a little solvent.
- Minimise any brush marks with a sponge.
- Surfaces retouched with a spatula should be thoroughly dry (24 hours) before starting to paint the stones and joints.
- The retouching must be completed during the weeks after drying.











#### INSTALLATION INSTRUCTIONS FOR CONCAVE AND CONVEX CORNERS

- Mark the desired length of panel and cut accurately using an angle grinder and a guide. Make sure that the panels do not overlap.
- Screw the panels.



- For convex corners: draw the outline of the panel already screwed on the back of the panel yet to be cut.
- For concave corners, make a straight cut.



• Cut out the outline with a jig saw.





• Assemble the cut panels.





• First fill the joints roughly and then model the sealant.



• Refine the work with a small spatula.



• Then, with a brush and a little solvent (water for the ARDEX F5), draw a structure that resembles the surface of the stone or sealant. You can also work with a sponge.









#### INSTRUCTIONS FOR FINISHING THE TOP

• It is possible to use a profile or sealant to create the finish at the top of panels.



• When modelling stones and joints, make sure that no water can flow behind the panel.



• Once the sealant is dry, use touch-up paint to create the finish.



#### RETOUCH THE FINISHES

- Carefully shake the spray cans for 2 to 3 minutes before use. Before any retouching, we recommend you perform a test painting on a piece of leftover panel.
- Apply the light tones first, then the darker tones.
- Pulverise the product in a fine film. If necessary, apply a second coat if necessary to make the surface brighter.



- With some panels, we recommend dabbing the second coat of paint (with a cloth), in order to obtain a more intense effect in the hollows.
- Although the touch-up painting is not dry, you can smooth the transition zones using a cloth or a brush.
- A spray can enables you to retouch 15 to 20 metres of coated joints.

Important: The number of retouching paintings required varies according to the panel; thus, for example, Aspen Black, to 1 for Aspen Ochre 2 shades and Aspen Grey 3 shades.



#### TIP:

- Repaint Black Aspen and Aspen White panels using the paints provided.
- To create the precise contours of the stones, we recommend that you use a cardboard cut to size as a template, according to the shape of the stones.





When applied to large surfaces, it is possible that the play of light and shadow makes the contours of some panels visible. This optical phenomenon does not call into question the quality of the panels and does not constitute grounds for complaint.



## PAINTING

#### 1. PAINTING

• NMC mouldings, ceiling medallions and columns, as well as all decorative elements are covered with a coat of primer, except NOMASTYL® PLUS ceiling medallions, NOMA® BEAM beams (final coating) and NOMA® STONE (final coating). All products with a layer of primer and grouted or coated areas must have the final covering within two weeks of installation.

#### 2. INDOOR MOULDINGS AND COLUMNS

• Indoors, mouldings should be covered with water soluble spray paints, acrylic or PU-based spray varnish and alkyd resin varnish containing solvents. in the case of paints containing solvents, ensure that they are diluted with white spirit, if necessary. Test paint before installation. Avoid to applying lime paints, silicates and silicone resins and mixtures thereof. For spray varnishes, make a test painting first.

#### 3. SPECIAL NOMA® STONE RETOUCHING PAINTS

#### NOMA® STONE retouching paints, 400 ml spray cans\*

- The tones were designed for mixed light. You can strongly influence the visual impression by varying the thickness of the cover.
- You can also vary the effect by occasionally merging the two tones into each other (and, for example, grey on yellow gives another visual effect than yellow on grey).

									PAIN	JT N	10.:								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	19	20	21*
ACAPULCO																			
ASPEN BEIGE																			
ASPEN BLACK																			
ASPEN GREY																			
ASPEN OCHRE																			
ASPEN WHITE																			
LUXOR																			
SANTIAGO GREY																			
SANTIAGO OCHRE																			
SYDNEY																			

\*sauf n°21 : 12 ml

#### 4. BEAMS

• If the NOMA®BEAM beams are meant to be painted, we recommend insulating paints or coatings containing solvents.

# ADHESIVE CONSUMPTION TABLE

#### 1. ADHESIVE CONSUMPTION TABLE: ADEFIX ° CARTRIDGES 310 ML - ADEFIX ° PLUS 290 ML

• If the adhesive bead is rounded, with a diameter of 8 mm, the consumption will reach 50 ml per meter of bead. The mouldings have a length of 2 m, so it takes a bead of glue 4 m long. A ADEFIX © cartridge contains 310 ml. If the content is divided by 50 ml, the cartridge enables a glue bead approx. 6.2 m long. If the adhesive bead is rounded, with a diameter of 10 mm, the consumption is 88 ml per meter of bead. If it has a diameter of 6 mm, the consumption is of 31 ml per meter of cord. The glue consumption indicated refers to smooth, flat substrates. on rough and uneven substrates, it may increase it by 30 %.

NOMASTYL® PLUS	ADEFIX®	- Com	Ø mm
A3/F/QR/E/B2/I/O	6-7 m	30 - 40 ml/m	5mm
B5/A2/D/J/H/M2/N	5 - 6 m	50 - 60 ml/m	6 mm
A1/C/B1/B8/GO/K/ST3	4 - 5 m	60 - 70 ml/m	7 mm
A/AT/GP/GT/SM/M1	3 - 4 m	70 -100 ml/m	8 mm
TL/ TI / ST4	2 - 3 m	90 - 110 ml/m	10 mm
O24	10 рс.	30 ml/pc.	8 mm
N24	8 рс.	35 ml/pc.	8 mm
016	13 pc.	25ml/pc.	8 mm
C21	11 pc.	28 ml/pc.	6 mm
C22	9 рс.	35 ml/pc.	6 mm
01	5 pc.	55 ml/pc.	8 mm
C15/C25/C33	4 - 6 pc.	55 ml/pc.	8 mm
C27	3 pc.	95 ml/pc.	8 mm

WALLSTYL®	ADEFIX®		Ø mm	
FD7/WD1/WD2/WD3	7 - 9 m	30 - 50 ml/m	5 mm	
WE1/WL1/WL2/WL3/WO1/WO2	8 m	40 ml/m	5 mm	
WL4	3 - 4 m	90 - 110 ml/m	8 mm	
WT11	3 - 4 m	70 - 100 ml/m	8 mm	+
WL5/WL6/WT8	5-6 m	45 - 70 ml/m	6 mm	
WT1/WT2/WT5/WT6/WT9/WT10/WT25/WT26	4 - 5 m	60 - 80 ml/m	7 mm	
WT3/WT4	3 - 4 m	70 - 100 ml/m	8 mm	+
WT22/ WT24	2 - 3 m	130 ml/m	10 mm	+
WB1	8 pc.	35 ml/pc.	8 mm	
FL1/FL2/FL5/FL9/FO1/FO2	4 - 5 m	60 - 80 ml/m	7 mm	
FL3	6 - 8 m	40 - 60 ml/m	6 mm	
FD15/ FL4	3 m	80 -100 ml/m	8 mm	
FL6/WT7	7 m	30 - 40 ml/m	5 mm	
FL1 FLEX	4 - 5 m	60 - 80 ml/m	7 mm	
WD1/WD2/WD3	7 - 9 m	30 - 50 ml/m	5 mm	

4 - 5 m

80 - 100 ml/m

7 mm

ADEFIX®PLUS

± 35 joints

 $\pm 35$  joints  $\pm 35$  joints

FD1/FD2/FD3/FD11/FD21/FD22

ARSTYL®	ADEFIX*		Ø mm	ADEFIX® PLUS
Z10/Z15/Z1240/Z1250	6-7 m	30 - 40 ml/m	5 mm	
Z8/Z9/Z13/Z16/Z18/Z30/Z31/Z32/Z1220/Z1550	5-6 m	50 - 60 ml/m	6 mm	
72/ Z19/ Z19/ Z20/ Z52	4 - 5 m	70 - 80 ml/m	7 mm	
Z3/ Z17	4 - 5 m	70 - 80 ml/m	7 mm	± 35 joints
71	3 - 4 m	90 - 110 ml/m	8 mm	<b>T</b> ± 00  01110
Z4/ Z5/ Z6/ Z11/ Z21/ Z22/ Z24	3 - 4 m	90 - 110 ml/m		± 35 joints
Z7/Z51/Z40/Z41/Z42/Z60/Z61/AD21/AD22/AD23	2 - 3 m	130 ml/m	1.0	± 35 joints
11/12/13/14/15	2 - 3 m	130 ml/m	10 mm	± 35 joints
Z101/Z102/Z103/Z104	12 pc.	25 ml/pc.	8 mm	
SP1/ SP2/ SP3	9-11 m	30 ml/m	6 mm	
SP2-4/ SP3-3/ SP3-6	17 - 20 pc.	15 ml/pc.	6 mm	
SP3-4/ SP2-5/ SP3-7	17 - 20 pc.	15 ml/pc.	6 mm	
R13/R17	14 - 18 pc.	20 ml/pc.	6 mm	
R3/R30/R1410/R1516	8 pc.	35 ml/pc.	6 mm	
R1/R5/R14/R1517	6 рс.	48 ml/pc.	8 mm	
R6/R7/R8/R16/R22/R23/R9/R51	4 pc.	70 ml/pc.	8 mm	
R61	4 pc.	70 ml/pc.	8 mm	± 35 joints
CS5/ CR5 / R10/ R11/ R15/ R18/ R52	3 рс.	95 ml/pc.	8 mm	
R60	3 рс.	95 ml/pc.	8 mm	± 35 joints
R12/R20/R24/R25/CR11	2 pc.	130 ml/pc.	10 mm	
PP1/PP2	1 pc.	285 ml/pc.	10 mm	
PC1/PC2	3 pc.	95 ml/pc.	10 mm	
PB1/PB2	2 pc.	140 ml/pc.	10 mm	
N1	2 pc.	140 ml/pc.	10 mm	
CN1/CN2/CN3	8 pc.	35 ml/pc.	8 mm	
SS1-3/ SM3/ FS1-3/ FM3 y compris base et chapiteau	2 pc.	140 ml/pc.	10 mm	
HSS1-3/HSM3/HFS1-3/HFM3 y compris base et chapiteau	4 pc.	280 ml/pc.	10 mm	

NOMA®BEAM	ADEFIX®	- m	Ø mm
Poutre	3 m	100 - 150 ml/pc.	10 mm
Console	8 pc.	35 ml/pc.	8 mm

#### 2. NOMA ® STONE FILLER

• To create a joint one metre high, approx. 600 g of solvent are needed. For horizontal joints of ASPEN panels, approx. 70 g is required.

# CALCULATION OF INSTALLATION TIMES

#### 1. INDICATIVE VALUES FOR INSTALLATION TIMES: NOMASTYL®PLUS / WALLSTYL® / ARSTYL®

Art.	Mouldings/height	Duration
1.	up to 5 cm	approx. 8 min/metre
2.	up to 10 cm	approx. 10 min/metre
3.	more than 10 cm	approx. 15 min/metre
4.	ARSTYL® mouldings type Z40, Z41, Z42	approx. 20 min/metre
5.	ARSTYL® mouldings type Z7 taking into account the pattern (distribution pattern on the wall)	approx. 25 min/metre
6.	ARSTYL® corbels, complete assembly	approx. 3 min/pc.
7.	ARSTYL® niches, complete assembly	approx. 5 min/pc.
8.	ARSTYL® columns, complete assembly	approx. 60 min/pc.
9.	ARSTYL® half-columns, complete assembly	approx. 90 min/pc.
10.	NOMASTYL® PLUS / ARSTYL® ceiling medallions, complete assembly	approx. 8 min/pc.
11.	ARSTYL® FLEX mouldings	approx. 15 min/metre
12.	ARSTYL® L mouldings, without lighting	approx. 15 min/metre
13.	ARSTYL® L mouldings, with direct lighting	approx. 30 min/metre
14.	ARSTYL® L3 mouldings, installation on one face	approx. 18 min/metre
15.	ARSTYL® pillar, complete assembly	approx. 30 min/pc.
16.	NOMASTYL® PLUS / ARSTYL® curves for compartment on wall / ceiling	approx. 20 min/metre
17.	WALLSTYL® corbels	approx. 8 min/metre
18.	WALLSTYL® baseboards	approx. 5 min/metre
19.	WALLSTYL® FLEX baseboards	approx. 8 min/metre
20.	45°mitre cuts	approx. 5 min/mitre
21.	Mitre cuts, obtuse angle	approx. 7 min/mitre
22.	WT4 assembly with clips	approx. 35 min/metre

Times only apply to mounting including grouting (without painting).

They do not include travel time, for example a scaffold, ladder, etc.

NOTE: The above data is only indicative and can vary according to the surface and the experience of the craftsman in charge of the installation!

#### 2. INDICATIVE VALUES FOR THE DURATION OF INSTALLATION: NOMA \* STONE - NOMA \* BEAM

Art.	Description of the action	Duration
1.	Determine and mark the position of the beam	approx. 1 min/metre
2.	Beam - installation of the mounting battens	approx. 2 min/batten
3.	Beam - application of the adhesive	approx. 2 min/metre
4.	Beam – assembly and additional mechanical fixing	approx. 7 min/metre
5.	Beam - retouching (sealing including)	approx. 10 min/retouch
6.	Beam - junction bracket installation	approx. 5 min/point
7.	NOMA®STONE – cutting panels to size	approx. 3 min/metre
8.	NOMA®STONE – determine and mark the position (spirit level)	approx. 8 min/panel
9.	NOMA®STONE - marking and drilling holes (approx. 40 to 50 holes per panel)	approx. 20 min/panel
10.	NOMA®STONE - transfer of drilling holes and drilling in surface	approx. 1 min/hole
11.	NOMA®STONE – screwing the panel	approx. 1 min/screw
12.	NOMA®STONE – sealant mix	approx. 2.5 kg approx. 8 minutes
13.	NOMA®STONE - sealing of cracks and retouching (possibly double sealing)	approx. 25 min/metres of joint
14.	NOMA®STONE - sealing of mounting screws and retouching	approx. 20 min/panel
15.	Finish joint with special touch-up paint	approx. 7 min/metres of joint
16.	NOMA®STONE – retouch the coated countersunk screws	approx. 20 min/panel

Times only apply to mounting including grouting (without painting).

They do not include travel time, for example a scaffold, ladder, etc.

NOTE: The above data is only indicative and can vary according to the surface and the experience of the craftsman in charge of the installation!

# DATASHEETS FOR NMC PRODUCTS

## NOMASTYL® Ceiling Medallions





#### 1. MATERIALS

Name of the product: NOMASTYL® ceiling medallions

Constituent material:

Expanded polystyrene; homogeneous foam; small, closed cells; white.

Density:

Approx. 35 kg/m<sup>3</sup>.

#### 2. SPECIFIC PROPERTIES

Visible surfaces:

The manufacturing technique guarantees a hard and smooth surface, with sharp edges, and the exact reproduction of the motif.

Dimensions:

Up to 665 mm / 2'2 1/8" in diameter.

#### 3. INSTALLATION

Installation and storage conditions:

For best results, storage and installation will be in conditions close to those of the end use. Laying on wet substrate (fresh plaster) and in conditions of forced drying (heat gun, dehumidifier, exceptionally high temperatures) must be avoided.

#### Base:

The following bases are suitable: plastered or papered, plaster coated interior surfaces. Surfaces must be clean, dry, dust free, degreased and flat; roughen as necessary.

In case of special bases, please consult our technical service.

#### Tools:

NMC-Ps saw and NMC VARIO or VARIO PLUS mitre box.

#### Adhesive and joints:

ADEFIX® adhesive for NMC mouldings and ceiling medallions. The optimal thickness of the adhesive is 1 mm. Apply adhesive to the entire bonding surfaces.

Like any adhesive, ADEFIX® adhesive is not to be used below 5 °C or above 35 °C or in strong direct sunlight.

#### Surface treatment:

NOMASTYL® ceiling medallions can be painted without difficulty with solvent-free paints (e.g. spray paints, acrylic paints, ...). However, if you want to apply solvent paint, a spray paint should be applied first and a test should be made.

#### 4. SPECIAL INDICATIONS

Hazardous materials regulations:

NOMASTYL® polystyrene products are not to be classified under "very toxic" or under "toxic", according the regulation on hazardous materials.

#### Important Note:

The elements are strictly decorative and have no structural function; they are not designed to withstand loads and must be separated by flexible joint elements likely to transmit loads or movements.

## NOMASTYL® PLUS Mouldings



#### 1. MATERIALS

Name of the product: NOMASTYL® PLUS mouldings

Constituent material:

Extruded and pre-painted polystyrene; homogeneous foam; small, closed cells; white.

Density:

Approx. 60 kg/m3.

Factory finish:

Pre-painted profiles, white acrylic paint.

#### 2. SPECIFIC PROPERTIES

Exposed surfaces:

Perfectly smooth surface with clean ends.

Bonding surfaces:

Surfaces sloped (2°) for easy installation and ribbed for better glue adhesion.

Dimensions:

Length of a moulding: 2 m (tolerance  $\pm 5 \text{ mm}$ ).

#### 3. INSTALLATION

Installation and storage conditions:

For best results, storage and installation will be in conditions close to those of the end use. Laying on wet substrate (fresh plaster) and in conditions of forced drying (heat gun, dehumidifier, exceptionally high temperatures) must be avoided.

#### Base:

The following bases are suitable: plastered or papered, plaster coated interior surfaces. Surfaces must be clean, dry, dust free, degreased and flat; roughen as necessary. In case of special bases, please consult our technical service.

#### Tools:

NMC-PS saw and NMC-VARIO or VARIO PLUS mitre box.

#### Adhesive and joints:

Generously coat the surfaces to be bonded with ADEFIX® adhesive with a gun (cartridge) or a wide-tooth comb. Position the decorative elements on the base and press. Remove the excess glue with a spatula or a damp sponge (see installation instructions). Protect if necessary. Joint width: approx. 2 - 3 mm between two profiles Application temperature: +5°C à to 35°C Cleaning (before drying): water

#### 4. SPECIAL INDICATIONS

Hazardous materials regulations:

NOMASTYL® PLUS pre-painted polystyrene products are not to be classified under "very toxic" nor under "toxic", according the regulation on hazardous materials.

#### Important Note:

The elements are strictly decorative and have no structural function; they are not designed to withstand loads and must be separated by flexible joint elements likely to transmit loads or movements.

### WALLSTYL® Baseboards, Chair-rails and Mouldings





#### 1. MATERIALS

Name of the product:

WALLSTYL® baseboards, chair-rails and mouldings

Constituent material:

Extruded polystyrene; homogeneous foam ; small, closed cells; white.

Density:

Baseboards: approx. 350 kg/m<sup>3</sup> Chair-rails: approx. 300 kg/m<sup>3</sup> Mouldings: approx. 220 kg/m<sup>3</sup>

#### 2. SPECIFIC PROPERTIES

Perfectly smooth surfaces with clean ends covered with white acrylic primer.

Bonding surfaces:

Resistant surfaces, clean edges. Ribbed on the back for better glue adhesion.

Dimensions:

Length of a baseboard: 2 m (tolerance  $\pm 5 \text{ mm}$ ). Length of a chair-rail: 2 m (tolerance  $\pm 5 \text{ mm}$ ). Length of a moulding: 2 m (tolerance  $\pm 5 \text{ mm}$ ).

#### 3. INSTALLATION

Installation and storage conditions:

For best results, storage and installation will be in conditions close to those of the end use. Laying on wet substrate (fresh plaster) and in conditions of forced drying (heat gun, dehumidifier, exceptionally high temperatures) must be avoided.

#### Base:

The following backing surface are suitable: plastered surfaces, covered plaster ... Surfaces must be clean, dry, dust free, degreased and flat; roughen as necessary. In case of special bases, please consult our technical service.

#### Tools:

HDPS-PU saw and NMC VARIO, VARIO PLUS or AD mitre box.

#### Adhesive and joints:

Generously coat the surfaces to be bonded with ADEFIX® adhesive with a gun (cartridge) or a wide-tooth comb. Position the decorative elements on the base and press. Glue the small WALLSTYL® moulding fittings and mitres with ADEFIX® adhesive. Remove the excess glue with a spatula or a damp sponge. For WALLSTYL® moulding fittings and mitres of more than 10 cm in height/span, glue with ADEFIX® PLUS and then coat with ADEFIX® (see the installation instructions). Protect if necessary. Joint width: approx. 2-3 mm between two profiles Application temperature: +5°C to +35°C Cleaning (before drying): water

#### Surface treatment:

WALLSTYL® profiles can be painted without difficulty with solventfree paints (e.g. spray paints, acrylic paints, ...). However, if you want to apply solvent paint, a spray paint should be applied first and a test should be made.

#### 4. SPECIAL INDICATIONS

Hazardous materials regulations:

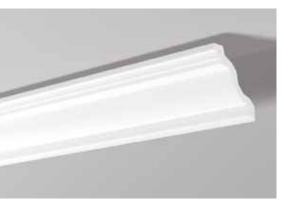
WALLSTYL® polystyrene products are not to be classified under "very toxic" or under "toxic", according the regulation on hazardous materials.

#### Important Note:

The elements are strictly decorative and have no structural function; they are not designed to withstand loads and must be separated by flexible joint elements likely to transmit loads or movements.

These products are flexible. However, too much pressure can cause breakage of the product. It should be noted that breaking can cause flying debris.

# ARSTYL® Mouldings, Chair-rails, Pillars, Ceiling Medallions and Columns





#### 1. MATERIALS

Name of the product:

ARSTYL® mouldings, chair-rails, pillars, ceiling medallions and columns

Constituent material:

High-density, rigid polyurethane foam, yellow.

Density:

Approx. 200 kg/m<sup>3</sup>.

Factory finish:

Matt-white acrylic primer intended to be painted

#### 2. SPECIFIC PROPERTIES

Exposed surfaces:

The manufacturing technique ensures a smooth, hard surface with clean edges, and exact reproduction of the pattern.

Bonding surfaces:

Bevelled (2°) surfaces for easy installation and milled to ensure better adhesion of the adhesive.

Pin technique:

Each end has two perforations that enable the profiles to be connected with wood pins also provided NMC (Z99), for easy alignment and perfect fitting, except for models SP1, SP2, SP3, AD21, AD22, AD23, Z10, Z15, Z1220, Z1240, Z1250 and Z1550.

#### Dimensions:

Length of a moulding: 2000 mm (tolerance  $\pm 5 \text{ mm}$ ). Ceiling medallions up to 1100 mm in diameter.

Length of a pillar (drum): 2020 mm.

Diameters of columns: 200, 250 and 300 mm.

Heights of columns: 2.5 and 3 m.

#### Thermal and hygrometric expansion:

Tests have shown that the material has behaviour similar to wood: its dimensions can be affected by variations of temperature and particularly moisture. The same precautions of use shall apply. Compliance with the installation and storage conditions are necessary for proper adhesion and ensuring the quality and durability of the finish.

#### 3. INSTALLATION

#### Installation and storage conditions:

For best results, storage and installation will be in conditions close to those of the end use. Laying on wet substrate (fresh plaster) and in conditions of forced drying (heat gun, dehumidifier, exceptionally high temperatures) must be avoided.

#### Base:

The following bases are suitable: plastered or papered, plaster coated interior surfaces. Surfaces must be clean, dry, dust free, degreased and flat; roughen as necessary. In case of special bases, please consult our technical service.

#### Tools:

HDPs-PU saw and NMC VARIO, VARIO PLUS or AD mitre box.

#### Adhesive and joints:

Generously coat the surfaces to be bonded with ADEFIX® adhesive with a gun (cartridge) or a wide-tooth comb. Position the decorative elements on the base and press. Glue the small ARSTYL® moulding fittings and mitres with ADEFIX® adhesive. Remove the excess glue with a spatula or a damp sponge. For ARSTYL® moulding fittings and mitres of more than 10 cm in height/span, glue with ADEFIX® PLUS and then coat with ADEFIX® (see the installation instructions). Protect if necessary.

Joint width: approx. 2-3 mm between two profiles Application

temperature: +5°C to +35°C Cleaning (before drying): water

#### Surface treatment:

Thanks to the primer applied at the factory, ARSTYL® mouldings and ceiling medallions can receive all paints, except for silicate products.

#### 4. SPECIAL INDICATIONS

#### Hazardous materials regulations:

ARSTYL® polyurethane products are not to be classified under "very toxic" or under "toxic", according the regulation on hazardous materials.

#### Important Note:

The elements are strictly decorative and have no structural function; they are not designed to withstand loads and must be separated by flexible joint elements likely to transmit loads or movements.

### NOMA® BEAM PU Beams





Constituent material	Polyurethane tinted in bulk (brown)
Density of the polyurethane	150 kg/m³
Bonding surfaces	Min. 15 mm
Polyurethane inserts	Distributed within all products every 50 cm (with the exception of the reference $15\times15$ in $2$ m length)
Installation temperatures	+ 5° C / + 30° C

#### Name of the product:

NMC polyurethane imitation wood beams (light & dark oak) for interior decoration.

#### Factory finish:

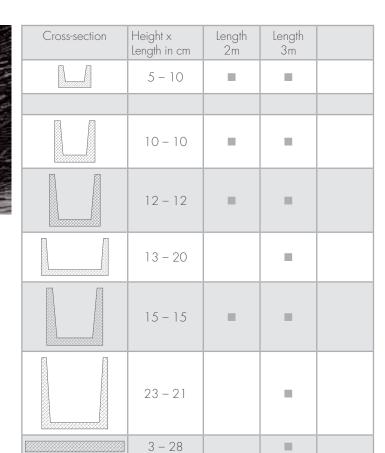
Painted products (paint with solvents) and ready to use, packaged in plastic film.

#### Exposed surfaces:

The manufacturing technique ensures a smooth, hard surface with clean edges, and exact reproduction of the pattern.

#### Bonding surfaces:

The bonding surface must be equal to or greater than 15 mm. Polyurethane inserts are distributed within the product every 50 cm (except for the  $15 \times 15 \times 2$  m model) to strengthen the product. These polyurethane inserts can be easily removed with a cutter in order to use the beam or hide an unsightly element.



Thermal and hygrometric expansion:

Tests have shown that the material has behaviour similar to wood: its dimensions can be affected by variations of temperature and particularly moisture. The same precautions of use shall apply. Compliance with the installation and storage conditions are necessary for proper adhesion and ensuring the quality and durability of the finish.

#### Installation and storage conditions:

For best results, storage and installation will be in conditions close to those of the end use. Laying on wet substrate (fresh plaster) and in conditions of forced drying (heat gun, dehumidifier, exceptionally high temperatures) must be avoided.

#### Surfaces:

The following materials are suitable: plastered or papered, plaster coated interior surfaces. Surfaces must be clean, dry, dust free, degreased and flat; roughen as necessary. In case of a special surface, please consult our technical service.

#### Tools:

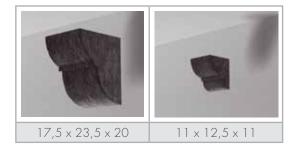
HDPS-PU saw and NMC-VARIO / VARIO PLUS mitre box

#### Installation accessories:

ADEFIX® adhesive, installation kits for 2 m and 3 m beam, Beam colouring

light oak / dark oak colour and joint fitting.

# 2 consoles disponibles



# NOMA® STONE Wall panels





#### **PHYSICAL PROPERTIES:**

Product composed of	Laminated polyester resin reinforced with mineral fillers and glass fibre
Aspect	Solid plate
Density	1.7 g/cm3 according to UNE 53020
Water absorption	0.66% by weight according to EN ISO 62
Barcol hardness	37.75 according to UNE 53270
Operating temperatures	-25°C / +70°C

#### **MECHANICAL PROPERTIES:**

Impact resistance 1	19844 J/m² according to EN ISO 179
Bending strength	29.7 MPa according to EN ISO 178
Flexural modulus	2848 MPa as per EN ISO 178
Aging and weathering resistance	No loss of flexing properties observed after 3 cycles of aging according to UNE 53384 and 53235

<sup>1:</sup> Test performed without notch, distance between supports: 70 mm hammer 4] in the transverse direction

### **FIRE BEHAVIOUR:**

Toxicity of fumes	12	22 52 1151	Cl., (* ) N. [ 14 10 1
Smoke opacity	21,52	33,52 (IF)	Classification F2 according to NF-16101
Fire classification	M3	French class	ification M3 = European classification D

Areas of application:

Decorative wall panels for internal use and for foundation of outside walls.

Storage conditions:

Do not exceed a temperature of 70°C Keep away from sources of heat.

Packaging:

Panels of approximately 1.3 m  $\times$  3.3 m (+/- 5 cm)

Installation:

The installation instructions must be strictly followed.

Hazardous materials regulations:

Please refer to the safety data sheets.

# ADEFIX® Adhesive 310 ml





#### **TECHNICAL PROPERTIES:**

Base	Synthetic dispersions
Consistency	Paste
Curing system	Physical polymerisation
Working time	10 - 15 min.
Drying time	Approx. 24 hours
Density (DIN 53479)	1.6 g/ml
Temperature resistance	-20°C à + 70°C
(after hardening)	-20°C to + 70°C
Consumption	70 - 150 ml/m of moulding

### Product:

ADEFIX® is a white acrylic adhesive.

#### Characteristic:

- Solvent-free
- Remains slightly elastic after drying
- Suitable for mounting on porous surfaces
- Can be sanded
- Can be painted
- Intended for indoor use
- Sensitive to frost

### Applications:

Adhesive, coating and jointing material for NOMASTYL®, WALLSTYL® polystyrene products and ARSTYL® et NOMA® BEAM polyurethane products.

### Packaging:

Colour: white

• Package: 310 ml cartridge

# Storage life:

24 months in unopened packaging in a cool dry place at temperatures of  $+5^{\circ}$ C to 25°C.

#### Surfaces:

The following bases are suitable: plastered or papered, plaster coated interior surfaces. Surfaces must be clean, dry, dust free, degreased and flat; roughen as necessary. In case of special bases, please consult our technical service.

#### Instructions:

- Application: generously coat the surfaces to be bonded with a gun (cartridge) or a wide-tooth comb. Position the decorative elements on the surface and press. Generously coat the surfaces to be bonded with ADEFIX® adhesive with a gun (cartridge) or a wide-tooth comb. Position the decorative elements on the base and press. Glue the small NOMASTYL® or WALLSTYL® and ARSTYL® moulding fittings and mitres with ADEFIX® adhesive. Remove the excess glue with a spatula or a damp sponge. For WALLSTYL® et ARSTYL® moulding fittings and mitres of more than 10 cm in height/span, glue with ADEFIX® PLUS and then coat with ADEFIX® (see the installation instructions). Protect if necessary.
- Joint width: approx. 2-3 mm between two profiles
- Application temperature: +5°C to +35°C
- Cleaning (before drying): water

#### Note:

It is preferable that the surface is porous, stable and not painted.

# Safety measures:

Observe the usual industrial hygiene.

# ADEFIX® PLUS Adhesive 290 ml





### **TECHNICAL PROPERTIES:**

Base	Hybrid polymers
Consistency	Paste
Curing system	Reaction with air
Pelliculation* (at 20°C/65% H.R.)	Approx. 5 min.
Correctable up to*	5 min
Hardness (DIN 53505)	65 ± 5 shore A
Density (DIN 53479)	1.52 g/ml
Resistance to temperatures (after hardening)	-40°C to +90°C
Maximum deformation	± 20 %

<sup>\*</sup> the values indicated can vary according to environmental conditions such as temperature, moisture, the nature of the surface,...

#### Product:

ADEFIX® PLUS is a neutral, elastic, white adhesive based on hybrid polymers.

#### Characteristics:

- Easy handling
- Good bonding to polystyrene and polyurethane
- Very fast hardening
- Permanent elasticity after polymerization
- Sensitive to frost

# Application:

Creation of large vertical joints for the WALLSTYL® and ARSTYL® products, from 10 cm in height/span.

# Packaging:

• Colour: white

• Contents: 290 ml cartridge (sufficient for approx. 35 mitre joints)

### Storage life:

12 months in unopened packaging in a cool dry place at temperatures from  $+5^{\circ}\text{C}$  to  $+25^{\circ}\text{C}$ .

#### Instructions:

- Application: the edges of the moulding mitre joints and connections must be dry and free of dust. Preferably, apply the glue so that it does not overflow when the mouldings are pressed together, and such that it form a joint of approximately 2-3 mm. Coat the joint with ADEFIX® adhesive.
- Application temperature: +5°C to +35°C (ideally: +15°C to +25°C)
- Cleaning: white spirit or turpentine

# Safety measures:

Observe the usual industrial hygiene.

# NOMA® STONE Sealant





### **CHARACTERISTICS:**

Product composed of	Polyester resin
Aspect	Semi-solid paste
Density	1.71 g/cm³ according to UNE 53020: 1973
Viscosity (25°C)	658.000 cps (10 r.p.m.)/189.000 cps (50 r.p.m.) according to EN ISO 2555: 2000
Styrene content	2,78% according to UNE 53504-5: 1996
Setting time	13 min at 15°C and 10 min at 25°C according to ASTM D 2471-88

catalytic system: see installation instructions for determining the amount of catalyst

# PROPERTIES AFTER POLYMERISATION:

Impact resistance	522 J/m² according to UNE 53021
Impact resistance after aging cycle and weather resistance	479 J/m² according to UNE 53101
Dimensional changes due to aging and temperature (500 hours at 75°C and 85% humidity)	-0.20% (width)/-0.97% (thickness)



Areas of application:

Filler material for NOMA® STONE decorative panels

### Storage conditions:

- Store at a temperature from 10 to 20°C;
- Keep closed;
- It is recommended to use a metal container (with the exception of copper, copper alloy or aluminium)
- Keep away from heat sources;
- Avoid the presence of oxidants, catalyst and powerful accelerators.

### Storage life:

24 months after the date of production

# Packaging:

5 kg metal pots

### Installation:

The instructions for use must be strictly observed.

# Hazardous materials regulations:

Please refer to the safety data sheets.

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