

DECORATIVE BALUSTRADE

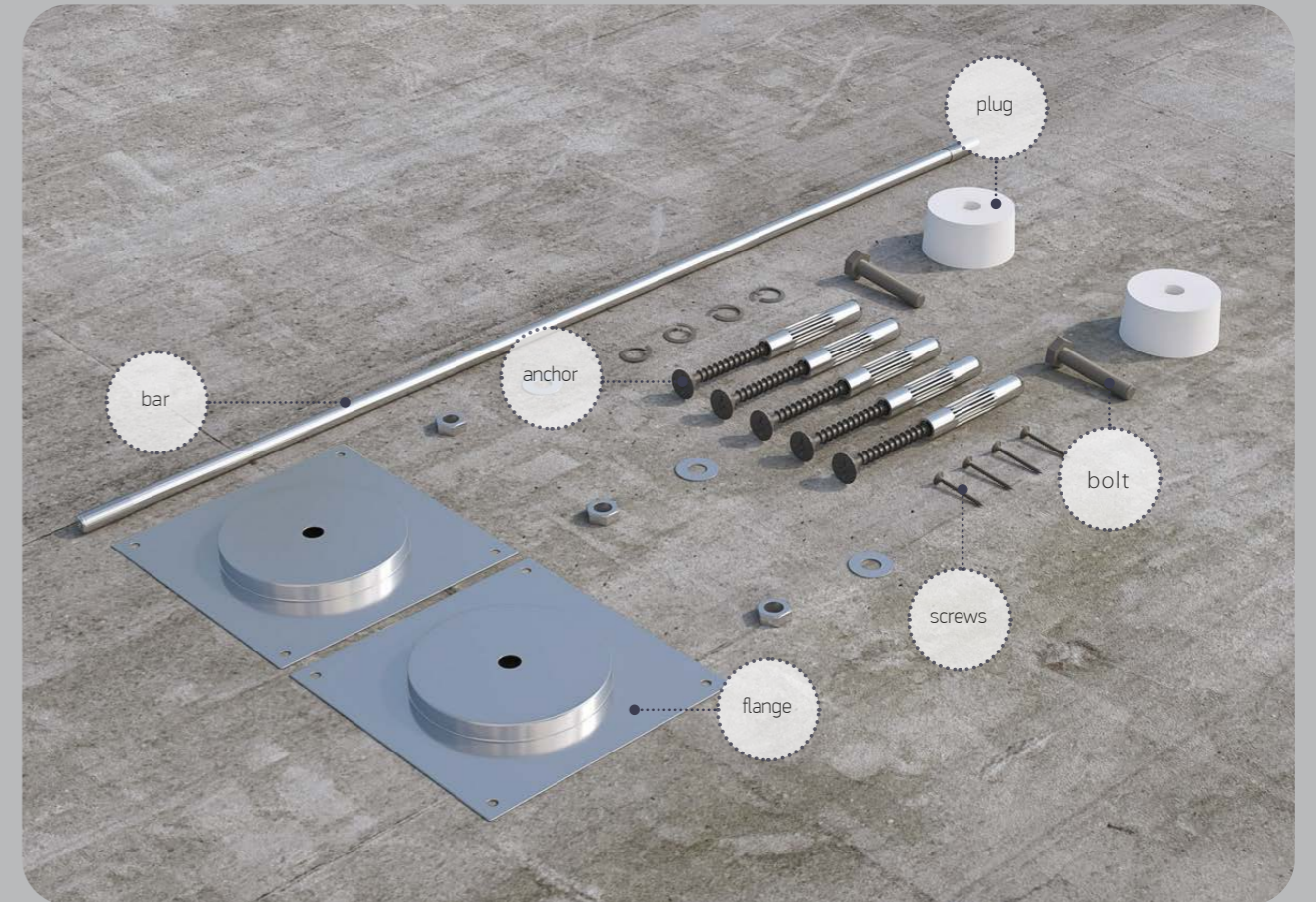
Installation manual for foam polyurethane
decorative elements

Tools and materials



- | | | | |
|------------------------|----------------------|--|------------------------------|
| 1 power screwdriver | 8 hammer | 14 Evroplast adhesive for Bonding joints | 18 fine and medium sandpaper |
| 2 drill | 9 adjustable spanner | 15 Evroplast adhesive Multipurpose | 19 cloth |
| 3 construction stapler | 10 tape measure | 16 Ø20 mm and Ø16 mm drill bits, Ø12 mm drill bits for concrete or stone | 20 white fine-grain putty |
| 4 mitre saw | 11 spirit level | 17 self-tapping screws, screw anchors | 21 acetone, paint thinner |
| 5 safety knife | 12 pencil | | |
| 6 scraper | 13 applicator gun | | |
| 7 round-nose pliers | | | |

Balustrade mounting kit*



name	qty
flange 165x165x3	2 pcs.
nut M20	3 pcs.
anchor 12 x100	4 pcs.
washer 20	3 pcs.
split washe 20	3 pcs.
plug 63x59	2 pcs.
self-tapping screw 4x35	4 pcs.
self-tapping screw 4x35 (sharp, countersunk head)	4 pcs.
self-tapping screw 6x120 (sharp, countersunk head, incomplete thread)	4 pcs.
bolt M16x80	2 pcs.
bar Ø20 (M20x100 both sides)	1 pcs.

A set of balustrades with a pyramid cover



A set of half balustrades with a pyramid cover

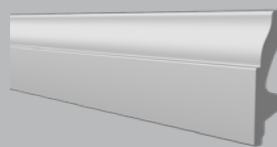


4.71.201
BALUSTER



90×790×90

4.79.101
PILLAR MOULDING



2000×66×20

4.75.201
COLUMN SHAFT



180×1019×182

4.78.101
FOOTPIECE



239×60×184

4.72.201
HANDRAIL



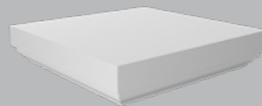
3000×102×152

4.74.201
BASE



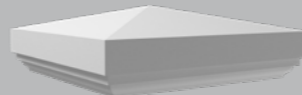
3000×88×140

4.73.201
CAP



220×46×220

4.76.201
PYRAMIDAL CAP



219×70×218

4.71.211
HALF BALUSTER



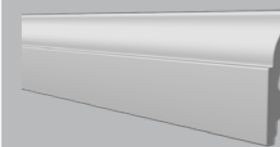
90×789×45

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HALF COLUMN SHAFT



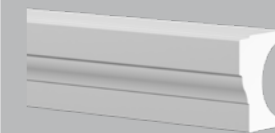
181×1018×90

4.79.101
PILLAR MOULDING



2000×66×20

4.72.111
HALF HANDRAIL



3000×110×95

4.74.111
HALF BASE



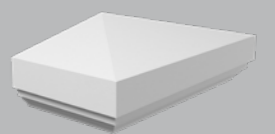
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4.73.211
HALF CAP



220×45×109

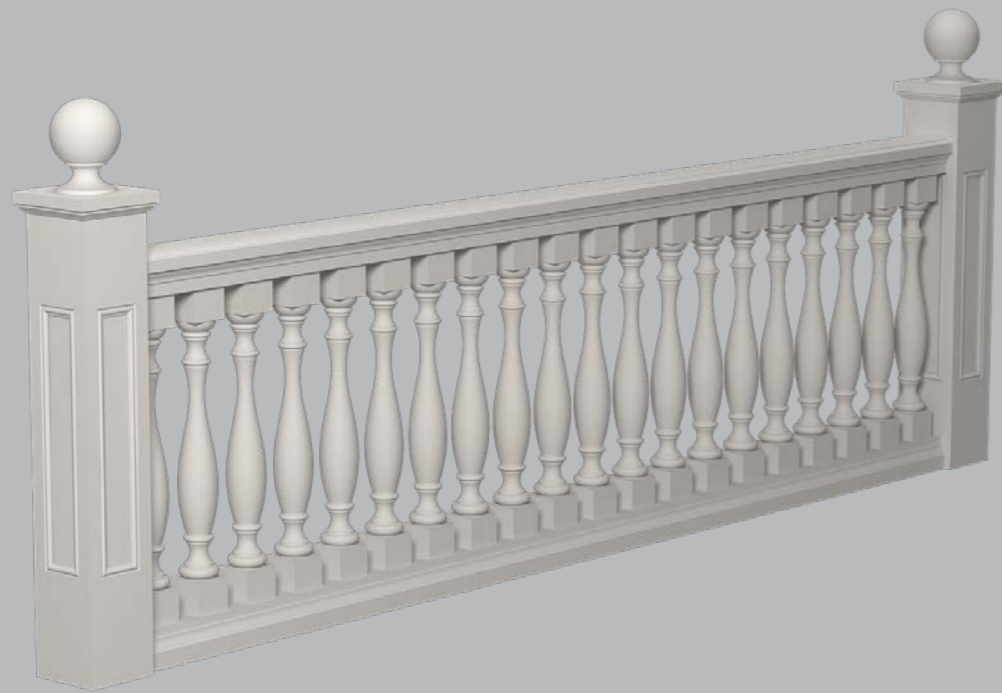
4.76.211
PYRAMIDAL HALF CAP



219×69×108

A set of balustrades with a ball cover

A set of half balustrades with a pyramid cover

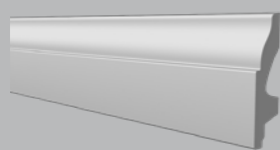


4.71.101
BALUSTER



120×784×120

4.79.101
PILLAR MOULDING



2000×66×20

4.75.101
COLUMN SHAFT



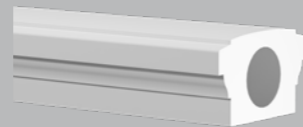
222×1020×122

4.77.101
BALL SHAPED CAP



230×178×179

4.72.101
HANDRAIL



3000×189×111

4.74.101
BASE



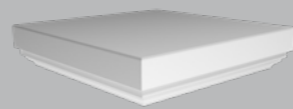
3000×100×180

4.78.101
FOOTPIECE



239×60×184

4.73.101
CAP



269×55×270

4.76.101
PYRAMIDAL CAP



269×82×269

4.71.111
HALF BALUSTER



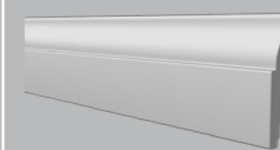
120×783×60

4.75.111
HALF COLUMN SHAFT



221×1018×111

4.79.101
PILLAR MOULDING



2000×66×20

4.72.111
HALF HANDRAIL



3000×110×95

4.74.111
HALF BASE



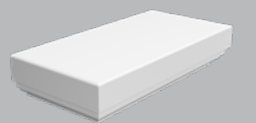
2000×90×100

4.78.101
FOOTPIECE



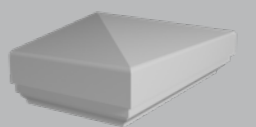
239×60×184

4.73.111
HALF CAP



269×56×135

4.76.111
PYRAMIDAL HALF CAP



268×82×134

With the help of this manual you will be able to successfully install foam polyurethane decorative elements having just basic knowledge in renovation or construction.

To install the elements you will need an even, smooth surface precoated with a primer. First remove the damaged pieces of old coating and even out the surface with putty or plaster filler. Then coat the surface with an outdoor primer.

Remember that an even, smooth surface is the key to successful installation and long-lasting results.

While installing the item, the environment temperature shall be above -10°C (14°F). Recommended air humidity is 40% or higher.

Please follow the manual and use fastening tools and adhesives recommended by the manufacturer: for mounting use Evroplast Multipurpose, for joints use Evroplast for Bonding joints.



MULTIPURPOSE ADHESIVE
290 ml



ADHESIVE FOR BONDING JOINTS
60 ml

The following information is relevant for Evroplast adhesives. If you use other adhesives, follow manuals on it's package.

Work performance conditions: the temperature while performing the works and the next 24 hours must be at least + 8°C. Indoor relative air humidity must be 40%. It is required to keep the product in the room for 24 hours at least.

Requirements to the surface: prepared surface must be dry, degreased, cleaned from dust. Weak mineral substrates should be pre-strengthened by suitable primer.

How to install a balustrade

FOR DECORATING WALLS AND CEILINGS



1 Make pencil marks at the handrail and the bottom rail where the baluster guiderails will be installed.



2 Use the Ø20 mm drill bit.



5 Install the newels (don't mount them).



6 Clean out the dust and dirt from the ends of the adjoining items with a wet cloth.



3 Install the bar into the flange.



4 Fasten the flanges to the surface with the help of anchor bolts.



7 Evenly apply the adhesive onto the joint sides (Evroplast for Bonding joints) and the underside (Evroplast Multipurpose) of the bottom rail.



8 To install the newels into the bottom rail use Evroplast for Bonding Joints.

How to install a balustrade

FOR DECORATING WALLS AND CEILINGS



9

Secure with self-tapping screws.



10

With the help of anchor bolts fasten the bottom rail to the mounting surface using the pre-drilled holes.



13

Install the handrail (don't apply the adhesive yet).



14

Mark the outline of the handrail.



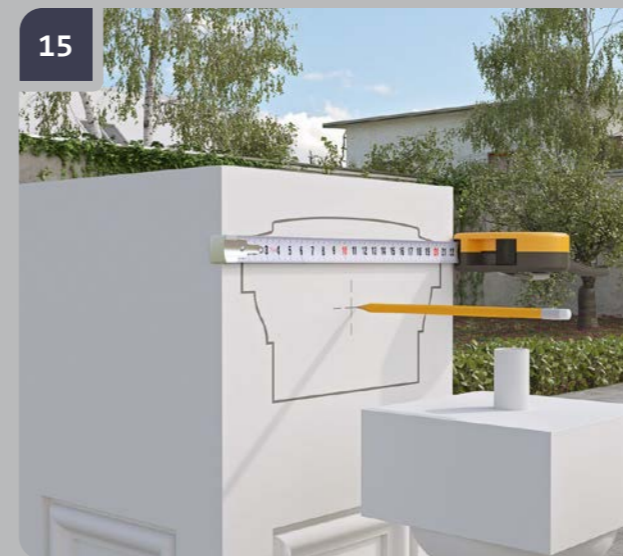
11

Apply Evroplast for Bonding joints onto the bottom side of the balusters.



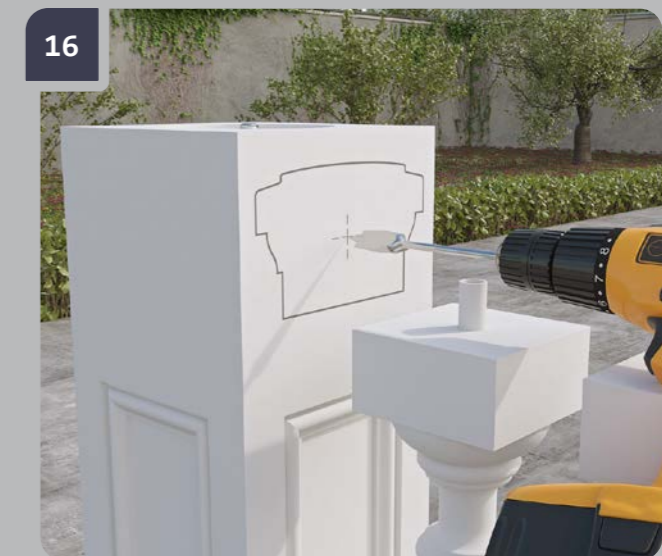
12

Install the balusters into the bottom rail.



15

Make a mark where a bolt shall be anchored.



16

Drill a Ø12 mm hole.

How to install a balustrade

FOR DECORATING WALLS AND CEILINGS



17 Install a plug into the handrail.



18 Screw the plug to the handrail using self-tapping screws.



21 Mount the handrail.



22 Fasten the newel to the handrail with a bolt.



19 Apply Evroplast for Bonding joints onto the top (adjoining to the handrail) sides of the balusters.



20 Apply the adhesive onto the ends of the handrail.



23 Secure the flange on the newel with a nut and self-tapping screws.



24 To install a newel cap use Evroplast for Bonding joints.

How to install a balustrade

FOR DECORATING WALLS AND CEILINGS



25

Remove excessive glue with a cloth damped with acetone.



26

Following a manufacturer's manual paint the item.



29

Cut the item leaving about 4 cm uncut.



30

Fill the cuts with Evroplast for Bonding joints so that excessive glue shows up.

Customizing the item to a certain radius



27

Order the item without an internal support tube.



28

Make marks on the item following the radius table (see below).

Spacing	Hand- and bottom rail bending radius
20 MM.	0,5 M.
40 MM.	1 M.
60 MM.	1,5 M.



31

Place the item onto an even surface according to the radius markings, secure the position of the item.



32

Secure the cuts using a construction stapler.

How to install a balustrade

FOR DECORATING WALLS AND CEILINGS



33 Remove excessive glue with a scraper.



34 Remove excessive glue with a cloth dampened with acetone.



37 Fill the cuts with putty.



38 Sandpaper the surface to make it smooth.



35 Remove the staples 24 hours later.



36 Sandpaper the surface of the item to make it smooth.



39 Continue the installation of the balustrade following the manual.



40 Paint the item following a paint manufacturer's manual.

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