



**PROHOME<sup>®</sup>**

interior and facade mouldings

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# **DECORATIVE BALUSTRADE**

Installation manual for foam  
polyurethane decorative elements

FOR DECORATING WALLS AND CEILINGS

# Tools and materials



**1** power screwdriver

**2** drill

**3** construction stapler

**4** mitre saw

**5** safety knife

**6** scraper

**7** round-nose pliers

**8** hammer

**9** adjustable spanner

**10** tape measure

**11** spirit level

**12** pencil

**13** applicator gun

**14** Profhome adhesive  
G07S290

**15** Profhome adhesive  
G10U290

**16** Ø20 mm and Ø16 mm  
drill bits, Ø12 mm drill bits  
for concrete or stone

**17** self-tapping screws,  
screw anchors

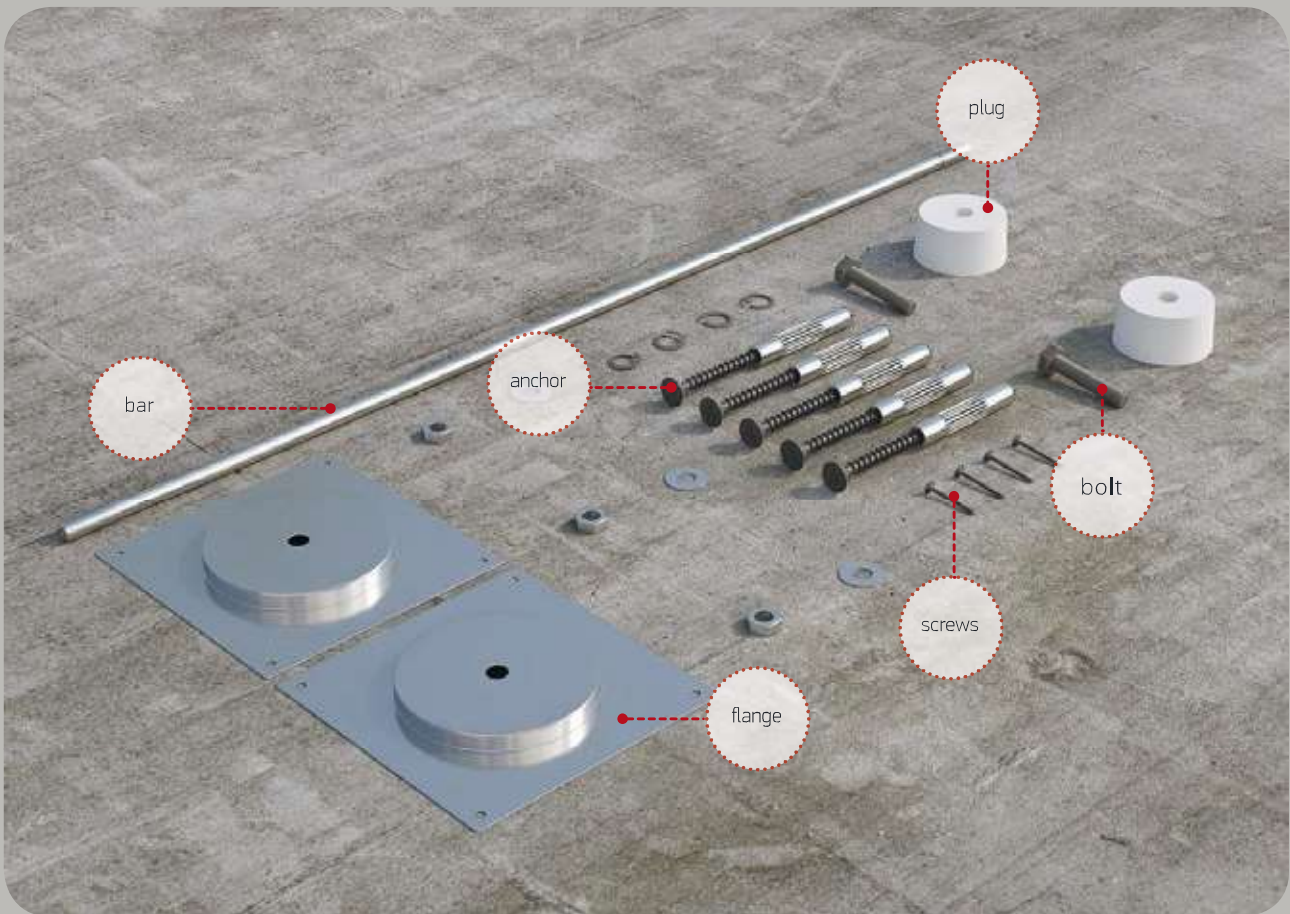
**18** fine and medium  
sandpaper

**19** cloth

**20** white fine-grain putty

**21** acetone, paint thinner

## 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



**471201**  
BALUSTER



90×789×90

**479101**  
PILLAR MOULDING



2000×66×20

**475201**  
COLUMN SHAFT



180×1020×180

**478101**  
FOOTPIECE



240×60×184

**472201**  
HANDRAIL



3000×100×150

**474201**  
BASE



3000×88×140

**473201**  
CAP



220×50×220

**476201**  
PYRAMIDAL CAP



220×70×220



# A set of half balustrades with a pyramid cover



**471211**  
HALF BALUSTER



90×789×45

**475211**  
HALF COLUMN SHAFT



180×1020×90

**472111**  
HALF HANDRAIL



3000×110×95

**401131**  
HALF BASE



115×15×115

**473211**  
HALF CAP



220×50×110

**476211**  
PYRAMIDAL HALF CAP



220×70×110

**479101**  
PILLAR MOULDING



2000×66×20

# A set of balustrades with a ball cover



**471101**  
BALUSTER



120×785×120

**479101**  
PILLAR MOULDING



2000×66×20

**475101**  
COLUMN SHAFT



220×1020×120

**477101**  
BALL SHAPED CAP



B: 235; ø: 180

**472101**  
HANDRAIL



3000×190×110

**474101**  
BASE



3000×100×180

**478101**  
FOOTPIECE



240×60×184

**473101**  
CAP



268×55×268

**476101**  
PYRAMIDAL CAP



270×83×270

# A set of half balustrades with a pyramid cover



**471111**  
HALF BALUSTER



120×785×60

**475111**  
HALF COLUMN SHAFT



220×1020×110

**472111**  
HALF HANDRAIL



3000×110×95

**473111**  
HALF CAP



268×55×134

**401131**  
HALF BASE



115×15×115

**476111**  
PYRAMIDAL HALF CAP



270×85×135

**479101**  
PILLAR MOULDING



2000×66×20

**478101**  
FOOTPIECE



240×60×184

## RECOMMENDATIONS BEFORE STARTING WORK

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.

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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.

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

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

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Please follow the manual and use fastening tools and adhesives recommended by the manufacturer: for mounting use G10U290 for joints use G08S60 / G07S290.



# ADHESIVE



G10U290  
290 ml

G06M290  
290 ml

G07S290  
290 ml

G08S60  
60 ml

The following information is relevant for Prohome 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

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.

3



Install the bar into the flange.

4



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

## FOR DECORATING WALLS AND CEILINGS

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.

7



Evenly apply the adhesive onto the joint sides (G08S60 / G07S290) and the underside (G10U290) of the bottom rail.

8



To install the newels into the bottom rail use G08S60 / G07S290.



## How to install a balustrade

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.

11



Apply G08S60 / G07S290 onto the bottom side of the balusters.

12



Install the balusters into the bottom rail.

## FOR DECORATING WALLS AND CEILINGS

13



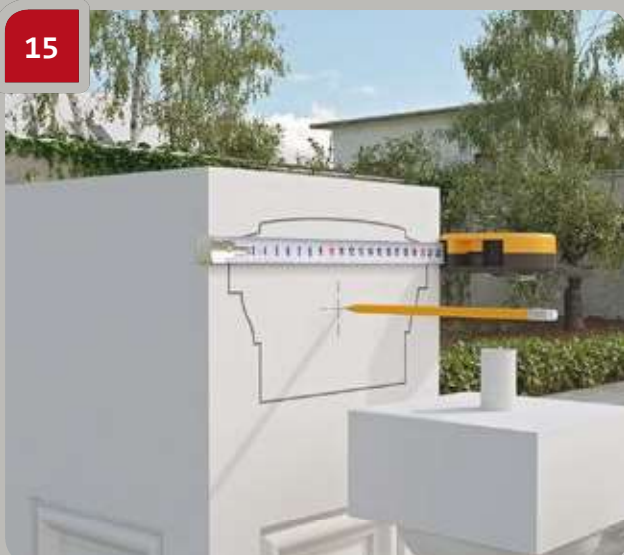
Install the handrail (don't apply the adhesive yet).

14



Mark the outline of the handrail.

15



Make a mark where a bolt shall be anchored.

16



Drill a Ø12 mm hole.



## How to install a balustrade

17



Install a plug into the handrail.

18



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

19



Apply bottom onto the top (adjoining to the handrail) sides of the balusters.

20



Apply the adhesive onto the ends of the handrail.

## FOR DECORATING WALLS AND CEILINGS



21

Mount the handrail.



22

Fasten the newel to the handrail with a bolt.



23

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



24

To install a newel cap use G08S60 / G07S290

## How to install a balustrade

25



Remove excessive glue with a cloth damped with acetone.

26



Following a manufacturer's manual paint the item.

## 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.



## FOR DECORATING WALLS AND CEILINGS

29



Cut the item leaving about 4 cm uncut.

30



Fill the cuts with G08S60 / G07S290 so that excessive glue shows up.

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

33



Remove excessive glue with a scraper.

34



Remove excessive glue with a cloth damped with acetone.

35



Remove the staples 24 hours later.

36



Sandpaper the surface of the item to make it smooth.



## FOR DECORATING WALLS AND CEILINGS

37



Fill the cuts with putty.

38



Sandpaper the surface 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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