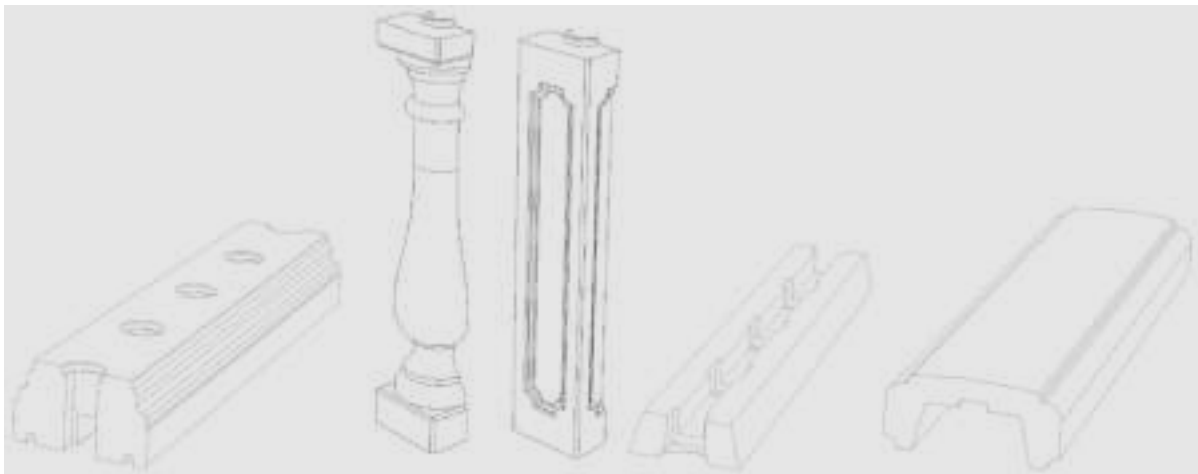


Styralith Balustrade System

Assembly Instruction



The system consists of the following individual components:



Footrail

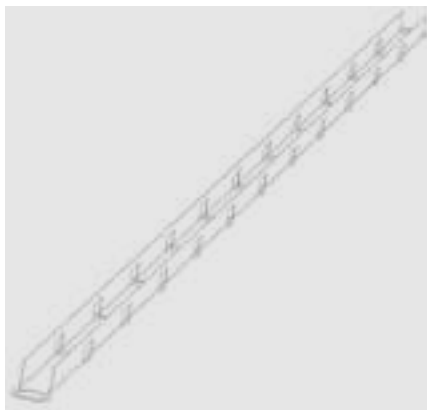
Baluster and Pillar part

Handrail-lower part

Handrail-upper part



Stand



Guide bar (240 cm)



Modular assembly bracket (to be mounted)



Angle bracket 90°



Angle bracket 45°



Installation bar



Wall connection 90° / 45°



Bolt



Nut

Assembly instruction:

Assembly preparations:

In order to save time, it is recommended to glue the baluster and pillar parts together prior to the assembly. Apply Styralith adhesive approximately 1cm from the edge on one of the two parts. Join the two parts using slight pressure. In case the adhesive oozes out of the gap, please wait for it to harden and then cut it off with a sharp knife. However, it is better if a small gap remains, which you can fill with the Styralith compound later on.



In case you need assembly brackets for your installation, it is advised to mount these beforehand. For that purpose, screw two installation bars together with the angle bracket required (45° or 90°). Please make sure that the plate of the angle bracket points towards the opposite direction of the open “U”-shape of the installation bar.

Step 1:

Before you begin with the mounting of the stands, it is advised to put down the steel base frame without screwing it together. Place the guide bars and the modular assembly bracket where the balustrade is to be mounted. In case you have to trim a guide bar, please be aware that it can only be trimmed within the specified raster of 200mm.

Step 2:

Now place the stands on the designated areas. Start at the ends of the modular assembly brackets and distribute the stands evenly with a distance of 80cm.

If this arrangement fits, align the stands and screw them according to the constructional instructions. Bolts, dowels, etc. are to be placed on site, as the mounting differs depending on circumstances.



Now mount the guide bar and the modular assembly bracket by sliding them over the stand. Please make sure that the opening of the “U”-shape points towards the sky.

Step 3:



Slide the footrail parts onto the steel pipe frame. If you have 45° or 90° connections, it is advised to mount the parts without glue, so that you can check whether it fits correctly before gluing them together.

If the spacing is correct, glue the front side of the Styalith footrails using the special adhesive and slide it on the steel pipe frame.

Step 4:



Now glue the baluster and pillar onto the footrail as shown on the image

Align the baluster and pillar towards the edge of the footrail.

Step 5:



Now apply glue on the front side of the baluster.

Afterwards glue the lower parts of the handrail onto the baluster as shown below. (Also glue all parts on the front side !)

Step 6:



Now the upper part of the steel frame is mounted by sliding the guide bar and modular assembly bracket over the vertical stands until they disappear into the prepared gaps of the lower part of the handrail.

Attention: the opening of the "U"-shape has to point towards the sky.

Firmly push the steel parts down so that the glued surfaces between baluster and the lower part of the handrail fit on top of each other.

Step 7:

In the last assembly step, the upper part of the hand rail is glued on.

If you have 45° or 90° connections, it is advised to mount the parts without glue, so that you can check whether it fits correctly before gluing them together.



If the gap spacing is correct, apply glue on the outer surface of the lower part of the handrail.

Also glue the steel parts on the lower part of the handrail.



Afterwards the upper parts of the handrail are put on and pushed slightly.

Now it should be checked whether the adhesive joints are well attached.



Afterwards the assembly of the Styralith balustrade is complete.

Step 8:

After the glue has dried, all existing gaps have to be closed using the Styralith compound.

Step 9:

By applying our special coating, they will achieve an even harder and more resilient surface.

Step 10:

Finally, the Sytralith balustrade has to be completed with a final coating, which protects it from UV rays and weather influences.