

Freeform Glass Design



“Crown in the Dommel”

Glass pavilion



In the Dommel river in the vicinity of the Genneper watermill and the Clarissenmonastery, an entire glass pavilion will arise. The scene is perfect for a creation where people can enjoy the surroundings and the new techniques on glass architecture and construction. At the first look, the pavilion seems to be an unreachable piece of art in the middle of the Dommel. However, when people come closer and look at the creation from the banks of the river, it becomes clear that the pavilion can be reached due to a path of stepping stones (picture 4 at the right page). Some of these stones can be immersed during the night, just to ensure the safety of the building. When people take the stone path and reach the pavilion, they will be overwhelmed with the abundance of artefacts and decorations. The idea of these decorations comes from the Baroque era, a time where people were overwhelmed with beauty. This has to make sure that the visitors of the pavilion are bound to the creation and discover new things over and over again, and therefore become aware of what can be done with glass. To give the people the opportunity to have a good look, they can sit down in the middle of the pavilion, where a glass sphere has been put into place. This also acts as a floater for the design.

The railings (picture 1 at the right page) are a good example of the decorations of the pavilion. They are made out of curved glass panels and hold the lion from the coat of arms of

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Eindhoven as well as some flowers and baroque artefacts in the four corners.

The glass beams that support the roof of the pavilion are decorated with tiny glass spheres. These spheres hold LED lights, which go on and off in a very subtle way. During the night, these subtle lights look like fireflies flying over the Dommel. This gives the pavilion also during the night a fairy-like look (picture 3). At the bottom of each of these beams, a Baroque artefact has been designed.

At the point where the beams come together, a Baroque artefact is put into place. It features a flower on top and a pendant at the bottom. It serves a constructional purpose as well. It makes sure that the beams are connected with each other and therefore the construction doesn't collapse. A drawing of this metal piece can be seen at the right side of this page (2). As mentioned earlier, the beams support the double curved roof panels. These panels are provided with Oled's at the inner side of the pavilion. These Oled's are ten times brighter than normal LED's and can be used on curved surfaces. When nobody is in the pavilion, the Oled's project the Dommel at the roof pannels, so that it looks like a reflection of the river. When somebody enters the pavilion, rippling will occur, to make it look like the visitor is walking on the Dommel.

1-Railing panel | 2-Piece that connects the beams
| Nighttime look at the pavilion | 4-The stepping
stones to the pavilion.

