

Reference

## PLEXIGLAS®

### Illuminated crystal, Passau, Germany



#### Market segment

Lighting Technologies,  
art in public spaces

#### Product

PLEXIGLAS® GS Block, sawn and polished edges,  
glued with ACRIFIX® 5R 0194, measures approx. 1 x 1  
x 1 m, steel base with integrated lighting system

#### Location

Northern bridge across the River Ilz, Passau, Germany

#### Selection criteria

The original plan was to laminate 12 mm of white glass into a block. However, the colorless transparency of PLEXIGLAS® is better suited to imitate a sodium chloride crystal than white glass with its bluish-green tint. Gluing the glass without leaving hardly any bubbles would not have been possible. What's more, ACRIFIX® 5R 0194 bonding is almost as resilient as PLEXIGLAS® itself.

#### Description of the application

A salt crystal, magnified 1,000 times, stands as a memorial to the former salt trade route across the bridge on the River Ilz. On its way along this route known as the "Goldener Steig", or the golden trail, the salt was transhipped from water to road transportation before it continued its way across the bridge. The stair-like structure of the salt crystal is a visible representation of the golden trail.

#### Project manager

Dietrich Förster  
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#### Customer:

Free State of Bavaria represented by Staatliches  
Bauamt Passau (state construction authority in  
Passau)

#### Stress analysis:

Leicht company Munich/ Bulicec, Passau

#### Fabricator:

k-tec, Austria

#### Evonik Performance Materials GmbH

Acrylic Polymers

Kirschenallee, 64293 Darmstadt, Germany

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