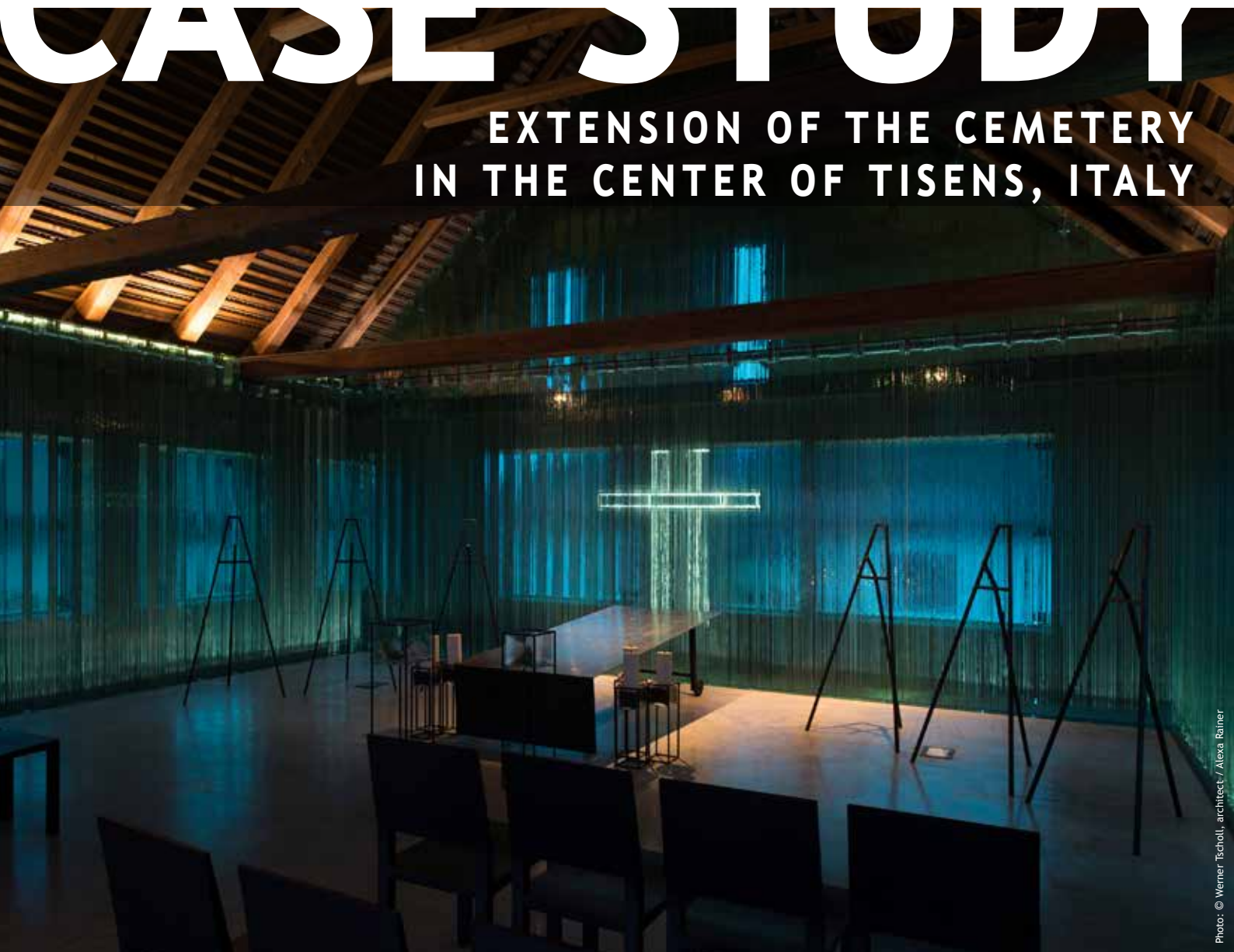


TROSIFOL™

CASE STUDY

EXTENSION OF THE CEMETERY
IN THE CENTER OF TISENS, ITALY





The Parish Church „Mariä Himmelfahrt“ of the 12th century in the heart of Tisens.

A MOMENT OF ETERNITY

Re-interpretation of the glass block communicates positive symbolism

The extension of the cemetery in the center of Tisens, Italy sets the scene for an entirely new symbolism of glass as a material. Known in Italian as Tesimo, Tisens is a village with a population of about 2,000 in the Etsch valley, south of Meran, in Italy's South Tyrol.

In this project, it was decided from the outset that the cemetery and church would not be closed off

to the village center, but instead would be open, inviting locals and visitors to drop in or take a walk. A community-sponsored competition was won by the architects Dr. Werner Tscholl and Dr. Andrea Palaia. The architects envisioned a space where people would regard the cemetery extension as part of their daily lives rather than to visit it solely at times of grief or to tend a grave.



Photo: © Werner Tscholl, architect / Alexa Rainer

By incorporating it in the daily flow of pedestrian traffic, the designers have lifted the cemetery out of its isolation and integrated it as a thoroughfare for everyday life. The cemetery becomes part of the present while remaining a timeless location.

The project creates a new, autonomous area of the cemetery that outwardly expresses the visible signs of both modern and classical architecture.



Photo: © Werner Tscholl, architect / Alexa Rainer

For the exterior glass wall, Sametec assembled 220 blocks laminated safety glass, 20 to 50 cm wide and 1.3 to 4.2 m long and composed of eight panes.



The interior glass wall of the funeral parlor benefits from a special quality of backlighting via the transparent outer walls.

With monumental components – yet with an overall design emphasizing lightness – the L-shaped glass wall derives its impact from the glass’s subtle transparency. This transparency is incorporated into the funeral parlor, where the interior glass wall benefits from a special quality of backlighting via the outer walls. In addition, the entire wall can be illuminated with LED lighting to create an aura of “eternal light” to suit certain occasions.

The glass wall is the work of Italian company Sametec srl (formerly Santoni Vetri snc), from Arco in Upper Italy. The wall is in fact composed not of conventional glass blocks but of blocks comprising several panes of laminated safety glass containing 0.76 mm thick Trosifol® UltraClear polyvinyl butyral (PVB) films. The glass plies were joined together using vacuum bags, a process that does away with the need for autoclaving.

Overall, the building consists of 3,200 square meters of 19 mm float glass. For the interior of the funeral parlor, Sametec used this glass to produce 180 blocks of laminated safety glass 20 cm wide and 3.21 m long, each comprising 10 panes. Another 80 block of laminated safety glass comprised of 10 glass plies each were produced, also 20 cm wide, but in lengths ranging from 20 to 370 cm. For the exterior glass wall, Sametec assembled 220 laminated safety glass blocks, 20 to 50 cm wide and 1.3 to 4.2 m long and composed of eight panes. It also produced blocks of laminated glass varying in height from 1 to 4 m. Each of these laminated glass blocks comprise 10 to 12 panes with the associated PVB interlayers.

The various blocks, indoors and outdoors, were bonded together with silicone.



Trosifol™ is the global leader in PVB and ionoplast interlayers for laminated safety glass in the architectural segment. With the broadest product portfolio Trosifol™ offers outstanding solutions:

- **Structural:** Trosifol® Extra Stiff (ES) PVB and SentryGlas® ionoplast interlayer
- **Acoustic:** Trosifol® SC Monolayer and Multilayer for sound insulation
- **UV Control:** from full UV protection to natural UV transmission
- **UltraClear:** lowest Yellowness Index in industry
- **Decorative & Design:** black & white, colored & printed interlayers

Photo: © Werner Tscholl, architect / Alexa Rainer

Sandro Santoni, Managing Director of Sametec explains: “Without Trosifol we probably wouldn’t have been able to realize the project at all. Because they were the only people to give us the technical support we needed to execute the project. Even if it initially sounds easy and even though we’ve got plenty of experience of laminated safety glass, we experienced a number of surprises with the thick glass blocks on site. And we only managed to successfully overcome these problems thanks to the support on site from Dr. Cengiz Ergün from Trosifol Technical Service.”

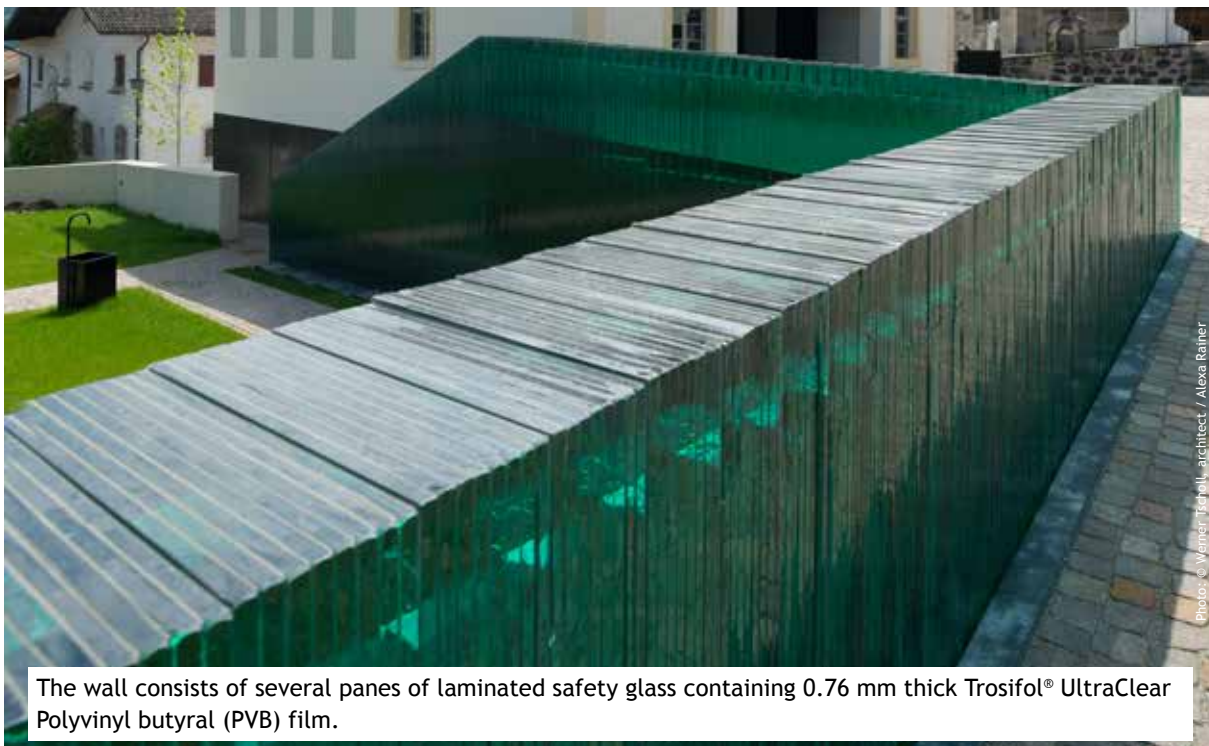
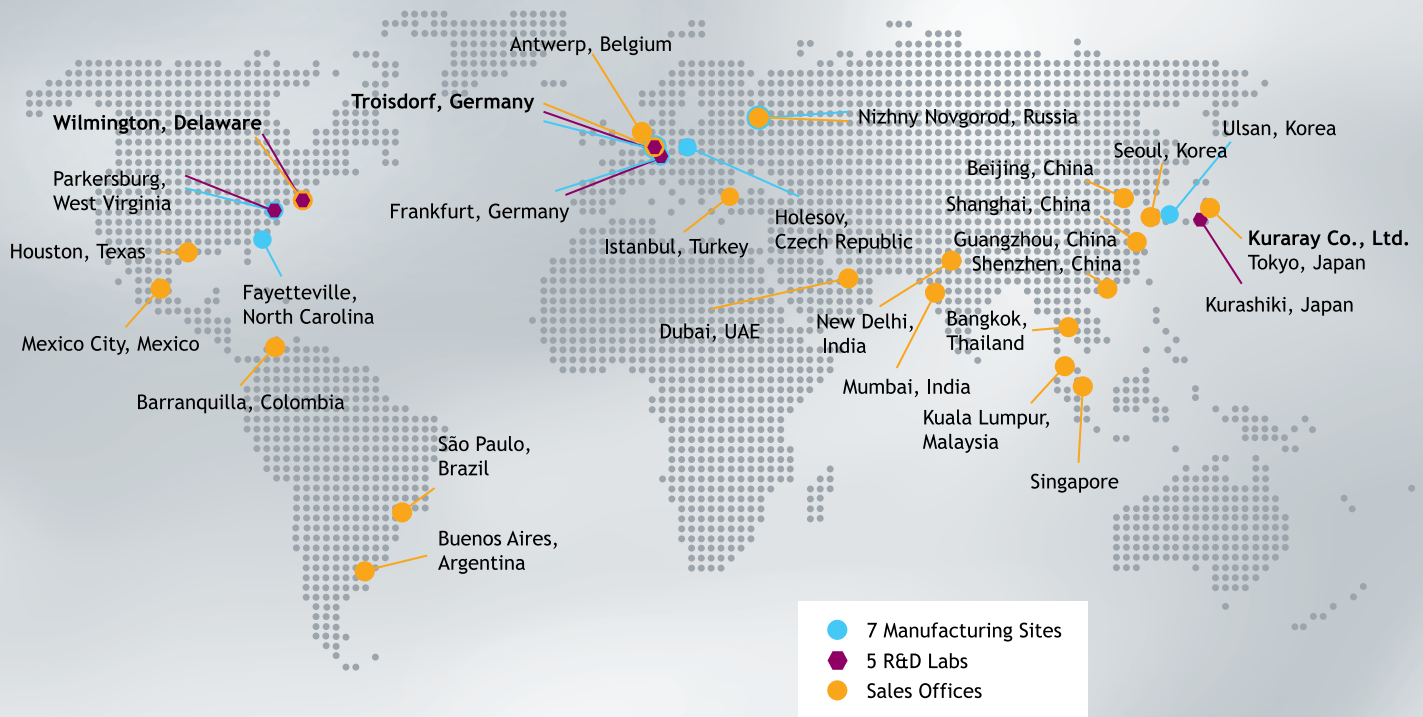


Photo: © Werner Tscholl, architect / Alexa Rainer

The wall consists of several panes of laminated safety glass containing 0.76 mm thick Trosifol® UltraClear Polyvinyl butyral (PVB) film.



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Kuraray America, Inc.
 PVB Division
 Wells Fargo Tower
 2200 Concord Pike, Ste. 1101
 Wilmington, DE 19803, USA
 + 1 800 635 3182

Kuraray Europe GmbH
 PVB Division
 Muelheimer Str. 26
 53840 Troisdorf
 Germany
 +49 2241 2555 220

Kuraray Co., Ltd
 PVB Division
 1-1-3, Otemachi
 Chiyoda-Ku, Tokyo, 100-8115
 Japan
 + 81 3 6701 1508

trosifol@kuraray.com
www.trosifol.com