

PROJECT REPORT

FIRESWISS FOAM fire-resistant glass

Urban living on the edge of town



The Glasi-Quartier in Bülach creates urban living space for nearly 2,000 people within just four hectares. Photo: Studio Gataric Fotografie

In Bülach, north of Zurich, a new city district has been created on the site of a former glassworks – the Glasi-Quartier Bülach. The aim was to establish a vibrant neighbourhood with high density, social diversity, and space for commerce, dining, and community areas. To achieve this urban density on just four hectares, Duplex Architekten first defined a tight network of polygonally

arranged streets, alleys, and squares. The equally polygonal buildings, designed afterwards, are coordinated yet individually distinct.

Due to the high density of the district, the project developer set rigorous fire protection requirements for the buildings. At the same time, the structural measures needed to be aesthetically pleasing and allow transparency in corridors and escape routes. To meet these needs, fire protection doors and windows with FIRESWISS FOAM fire-resistant glass from Glas Trösch were used.



Safe and aesthetic: fire-resistant glass allows light into corridors and escape routes. Photos: Hammer Metall AG

FIRESWISS FOAM not only protects against fire and smoke but also shields non-load-bearing components from dangerous heat radiation. The laminated glass, featuring Thermo-Transformation Layers (TTS) developed by Glas Trösch, absorbs radiant heat and achieves fire resistance class EI. These layers form a solid, tough foam panel that holds the shards of the fire-exposed float glass. This heat shield allows emergency services to safely navigate escape and rescue routes. Stability for the fire protection doors is provided by Forster profile systems. The planning, production, and installation were carried out by Hammer Metall AG.



A special heat shield in the fire protection glass ensures safe passage through escape and rescue routes. Photos: Metall Hammer AG

Signboard:

Project:

Glasi-Quartier, Bülach

Developer/general contractor:

Steiner, Zurich

Architect:

Duplex Architekten, Zürich

Planning/installation of fire protection doors

Hammer Metall, Nänikon

Profile systems for fire protection doors

Forster Profilsysteme, Romanshorn

Fire-resistant glass

FIRESWISS FOAM, Glas Trösch

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