

LEAF REVIEW

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BODY AND SOUL

Wolf D Prix on the
future of architecture

**SOCIAL REVOLUTIONARY:
ALEJANDRO ARAVENA**

**JULIEN DE SMEDT ON
CRISIS ARCHITECTURE**



PLUS: New work by SANAA
Designs for health

Cool customers

Fire-resistant glass ensures the integration of transparent fire safety solutions in almost any application, whether as facades, roof glazing, doors or partitions, explains **Pilkington**, a leading global manufacturer of fire-resistant glass for all performance categories.

Modern architecture favours transparency even beyond the façade; architects would like natural light and open spaces to determine the design of large buildings right down to their structural core. Wherever these open concepts meet local construction and fire safety requirements for the protection of lives and property, transparent fire-resistant glazing comes into play.

This allows modern light-giving and open space design and safety to be combined in a variety of multi-functional systems. Pilkington fire-resistant glass is represented in several hundred fully tested and approved glazing systems. These include doors and partitions, facades, roof glazing and more recently fire-resistant sliding doors and windows.

Comprehensive fire safety design concepts

Fire-resistant glazing is incorporated in modern building architecture through integrated concepts. The requirements vary greatly even within one building, depending on factors such as the type of building and its intended use, applications, particular fire loads and specific installations. Pilkington offers a functional modular range of fire-resistant glass to match the required performance:

- Class EI, Pilkington Pyrostop® – well proven fire-resistant glass

with high performance, providing full thermal insulation and integrity (blocks flames, smoke and radiant heat for up to 180 minutes)

- Class EW, Pilkington Pyrodur® – a barrier to flames, smoke and hot gasses effectively reducing the level of dangerous radiant heat
- Class E, Pilkington Pyroclear® – a clear choice for consistent and reliable basic integrity performance



Automatic sliding doors with Pilkington fire-resistant glass provide maximum comfort and convenience, AFG Corporate Center, Arbon, Switzerland.

Multi-functional solutions

As well as the essential fire-resistance properties, the variety of glazing on offer is an important consideration. Without this an open and transparent architecture would be impossible. Whether it is barrier loading



A stunning 16m high, flexibly suspended fire-resistant glazing protecting the plenary hall, German Parliament Building (Reichstag), Berlin, Germany.

Standard applications, innovative applications and specific solutions in transparent fire protection are constantly being developed, tested and approved by Pilkington in close cooperation with globally operating system manufacturers according to international standards, taking into account national regulations. Whether it concerns an EI 180 glazing (full thermal insulation performance for 180 minutes) in Italy or France, fire-resistant sliding doors of Swiss and German system specialists or non-loaded as well as loaded fire-resistant floor glazing for applications in the UK and the US, Pilkington fire-resistant glass will be fit for purpose. ●

Further information

Pilkington
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