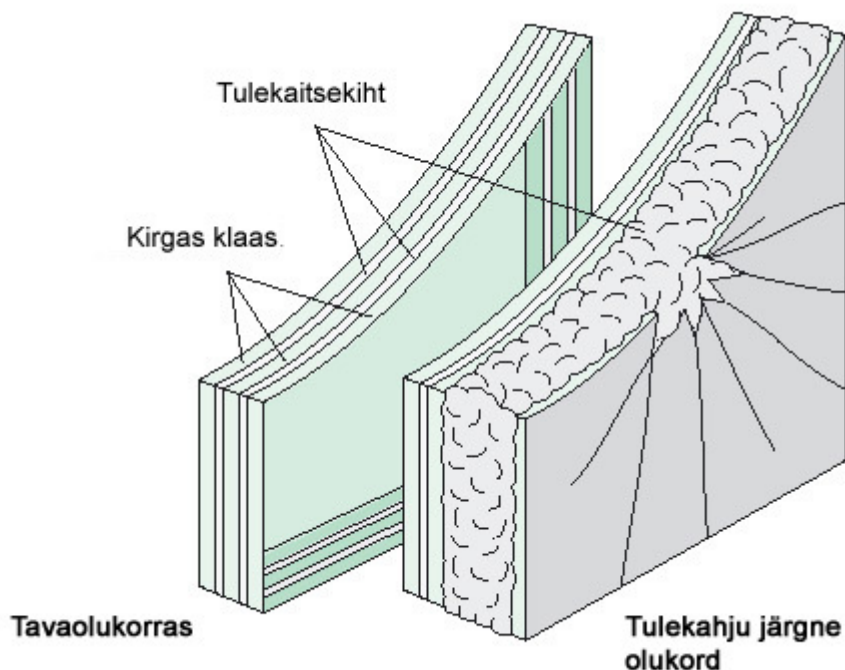


Fire-resistant glass



Fire-resistant glass is an undeniably effective line of defence against flames and hot gases (fire protection class E). Where protection against high temperatures (fire protection class E1) is also needed, the best solution is multi-layered fire-resistant glass, such as Pyrodur and Pyrostop.

What is fire-resistant glass?

Fire-resistant glass prevents the spread of flames and hot gases. Fire-resistant glass is available in multiple heat-resistance levels, containing fire for 15–120 minutes. The higher the number of layers in fire-resistant glass, the slower the fire will break through the glass.

Pilkington Pyrodur/Pyrostop clear fire-resistant glass consists of thin layers of float glass separated by fully transparent silicate interlayers. At about 120 degrees, the silicate layers expand to form a white foam which prevents the spread of fire. When exposed to high heat, the float glass will break, however the fire barrier layer keeps the glass in

place, providing additional protection against flames and hot gases.

Where can I use fire-resistant glass?

Fire-resistant glass is used in both indoor and outdoor environments, such as hallways and exterior façades. Since the fire protection layers in Pilkington Pyrodur and Pyrostop glass are somewhat susceptible to UV radiation, for outdoor applications they are covered with UV protection laminate.

Technical details

Depending on the type and design, Pilkington Pyrodur glass is suitable for E30 and E60 class buildings. In certain structures, they also meet class EI15 and EI30 requirements. All Pilkington Pyrodur glass is safety glass (SFS-EN1363).

Pilkington Pyrostop glass consists of at least three fire protection layers, which ensures excellent fire protection in EI class structures. Depending on the type and design, Pyrostop glass is suitable for class EI30, EI60, EI90, and even EI120 doors and windows.

