

FIRE-RESISTANT CEILING WITH POLFLAM F GLASS – AESTHETICS AND SAFETY THROUGH STATE OF THE ART TECHNOLOGY

The FR Floor fire-resistant ceiling of FR Solutions using POLFLAM F glass is a unique product in the industrial glass market. It ensures perfect exposition to daylight while providing users with maximum protection against fire. The extraordinary solution attracts attention through its aesthetics and functionality.

POLFLAM offers glass for the FR Floor glazed ceilings of the maximum load bearing capacity at 5 kN/m². Official tests carried out by a certification body in compliance with the binding standard have confirmed the POLFLAM F glass fire-resistance class as REI 45. This is a premium product; in particular, for the dimensions of the glass panels that can be made of the glass to easily meet individual construction needs so much sought for in any development project.

Designers have no limits – they can use the POLFLAM F glass panels to have various shapes within the rectangle of the maximum dimensions 2200 x 1650 mm. The glass' thickness is 46 to 62 mm, depending on the required designer form.

The FR Floor ceiling system of FR Solutions makes benefits from all the qualities of POLFLAM fire-resistant glass. Panels made in the FR Floor system can be smooth and transparent or screen printed (which would give the interior a unique character). Its other quality, i.e., the non-slip surface provides the user of the building with day to day safety.

The glass ceilings with the POLFLAM glass have more strengths; they are easy to clean or maintain and simple to install. In line with the manufacturer's strategy whereby it has proprietary rights to the state-of-art technology, we deal with well-proven material of high performance value which provides users with full safety and is offered at very attractive prices.

Just like for all their products, both POLFLAM and FR Solutions have on offer technology advisory

services regarding application and installation of POLFLAM F glass in the FR Floor ceilings, at any stage of the development project.

The FR Floor fire-resistant ceilings meet the requirements of the PN-EN 1365-2:2014 standard for load bearing, insulation and fire-tightness. They have been tested and approved by a European notified body which confirms the product's top quality.



In the photo: ceiling with Polflam glass above the chamber of the testing furnace tested at the certifying body for resistance to fire. The structure of the ceiling contains glass panels of various dimensions and shapes that have been loaded in compliance with the load-bearing requirements of the technical standard.