

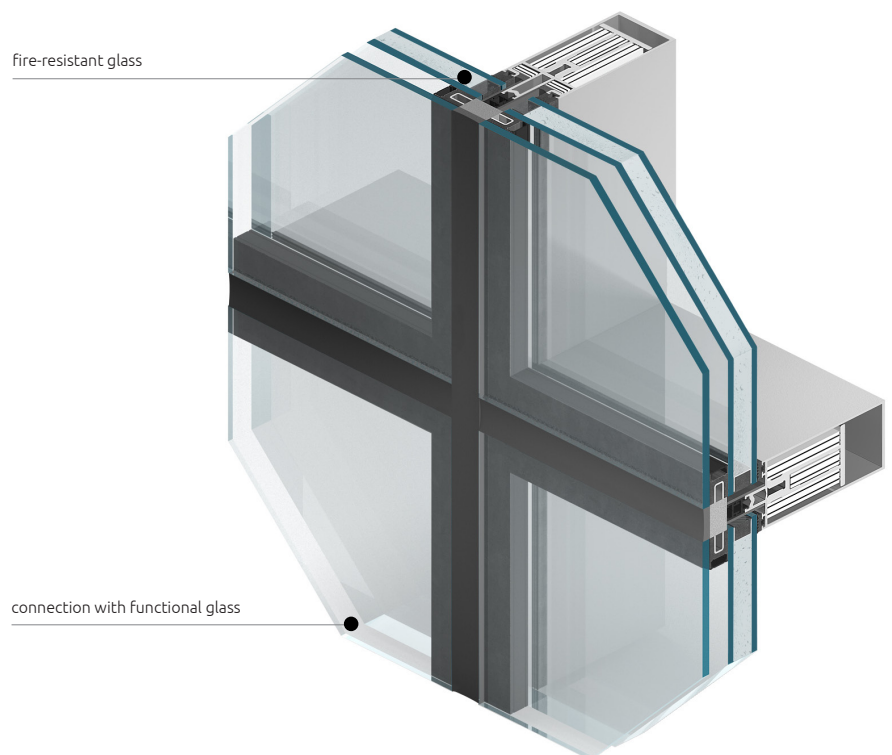
A NEW TYPE OF POLFLAM GLASS SUITABLE FOR OUTSIDE WALLS - OR A PERFECT GLASS FACADE

POLFLAM[®] fire-resistant glass proves its value in most requiring applications. The glass's technology follows state-of-the-art architectural trends. One example is a new type of glass on offer from POLFLAM. It allows building most modern fire-resistant facades of perfectly smooth surface.

The mounting system for the new POLFLAM[®] façade panels is used for light-weight curtain walls, both suspended and filling walls, and for roofs, skylights and other special structures. The system's structure is the modern stud-and-lock structure which is responsible for obtaining a perfectly uniform façade wall made of large-size glass panels gently stripped with horizontal and vertical structure lines, no more than 24mm wide. This most impressive solution demonstrates the unique features of the glass.

POLFLAM[®] glass: perfect performance

POLFLAM[®] fire-resistant glass has been based on GUARDIAN glass. The façade glazing is of exclusive selectivity, transparency and thermal insulation. What does it mean? It means most of all that we eliminate the effect of heat generated by solar radiation, that is, we avoid the risk of overheating. An extremely high Lt factor guaran-



Aluprof MB-SR50NN EI EFEKT mounting system

ties perfect light transmittance, in the range of 70%. The latter is a key factor when using glass façade as it allows for the interiors to be lit with natural light. POLFLAM has a latest-technology hardening furnace and a Heat Soak Test furnace (HST) in Europe. The parameters of POLFLAM glass applicable for outdoor use have even more advantages, for instance, perfect thermal insulation (U_g up to 1.0 W/m²K) and acoustic insulation (up to 45 dB). POLFLAM units can be added any extra function-glass

panes to it, e.g., with low emission, selective or solar-control layers which add to its functionality. All that provides almost unlimited possibilities for tailored, original solutions for applications as requiring as fire-resistant façades.

The highest safety standard

The perfectly smooth glass facade with POLFLAM® fire-resistant glass guarantees, apart from the obvious visual effect, fulfilment of the strictest safety requirements. The façade makes an effective

fire-safe curtain. This, in turn, allows shortening the distance between buildings required in fire-protection regulations.

The highest quality of the new façade solution has been proved through tests in certified laboratories. The entire solution using POLFLAM® glass in classes EI 30 and EI 60 has passed the tests in recognised European notified units, in full configuration and for maximum panel dimensions 1500 x 3000 mm (tested from the outside and the inside of the facade).