

NOVOGLASS fire-rated glass door

Novoglass fire-rated glass door, EI 60, REI 120 certified

Consists of:

- 15/10 mm thick "Z-shaped galvanised steel frame, to make the door panel perfectly flush with the frame, with cold smoke seal compartment;
- the frame is mechanically joint to the corners without welding. The electrogalvanised coating remains intact at all points, without the corrosion that typically occurs in welded joints;
- Door panel consisting of a steel framework, with a supporting section, flush with a frame made of pressed, boxed and welded double galvanized sheet steel, with inorganic insulation, free of asbestos. The profile of the door leaf features a special finish on the glass side (which is therefore invisible after installation) designed to reduce thermal conductivity between the two sides of the door;
- REI fire-rated laminated glass, consisting of several glass sheets filled with a normally clear material that turns to an opaque foam and gives out water vapour during a fire. Glass panels are fastened with glazing beads, without visible screws, with special self-extinguishing seals that do not keep the material inside the glass from swelling at high temperatures;
- 2 steel spring hinges per panel, designed for intensive use and high load conditions. Adjustable at any time with special screws; cannot be reached when the door is closed. Hinges are mechanically fastened to the door and therefore can be replaced in case of long, heavy use, according to Italian Ministerial Decree M.I. 64 of 10/03/98, Ministerial Decree M.I. 21/06/04 (GU 155 of 05/07/04) and T.U. 81/2008 for escape routes;
- Black hydraulic door closer;
- Black door closer arm for 2 leaves door;
- Yale type lock with three-key cylinder;
- Flush-bolt self-locking system on second door panel, with lever opening;
- sealing bolts between the two hinges;
- black PVC handle with steel core, "U" shaped for accidental grips, placed at 960 mm from the floor, according to Italian Presidential Decree 503 of 24/07/96, unless otherwise requested by the customer;
- thermal seal all around the frame;
- surfaces with category Z140 galvanised coating (minimum zinc mass 140 g/sqm per surface), finished with embossed and/or textured epoxy polyester powder for internal use, 120 microns thick (RAL 7035, 1013, 5010, 9002, 9006, 9010, 9016, 7016);
- arranged for the installation of a movable drop-bar seal.
- The lower profile width can be increased upon request up to 40 cm according to Italian Presidential Decrees no. 503 of 24 July 1996, no. 384 of 27 April 1978, Ministerial decree no. 236 of 14 June 1989 for the removal of architectural barriers.