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**EBE AF doors and EI 30 fixed panels in brass
OT67**

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Supply and installation of doors, windows, and facades, in fixed and openable sashes, for inward opening doors, built with thermal break profiles Secco Sistemi EBE AF, with fire-resistant characteristics EI 30, made by the seamless joining of two metal shells (one whole and one external), by means of fire-resistant thermoplastic extrudate and made integral to the parts by high-density fire-resistant resin, injected at high pressure. The recesses making up the profile are filled with calcium silicate slats necessary to ensure the profile's resistance to fire.

Frame Construction:

- The metal shells are obtained by cold-rolling profiling strips of Copper alloy OT67 (Cu67/Zn33) with a thickness of 15/10, in accordance with the EN1652:1999 standard.
- The assembly of the frames is carried out by welding the internal surfaces (which can't be viewed) with the insertion of internal stainless steel reinforcement brackets and eventual brazing of the parts which are visible.
- Minimally visible section: fixed side node of 72 mm, opening side node of 94 mm, central node of 156 mm for the two sashes.
- Mandatory depth of 65 mm for EBE65 and 73.5 mm for EBE75.
- Internal and external coplanarity of the profiles.

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Sealing and Insulation:

- The doors are equipped with closed-joint, two-level, water/air/wind resistant silicone seals at the profile rebate, and below, is equipped with an automatic air- and water-tight guillotine with fire-resistant EPDM gasket.
- On both sides of the thermal break of the profiles, there is a 2 mm thick intumescent gasket.
- A 30 mm thick layer of rock wool is provided between the supporting structure and the fixed doors and doors with fixed panels, on the vertical sides and on the upper horizontal side of the frames.

Components and Accessories:

- The windows and doors are complete with glass or solid panels, positioned through the use of calcium silicate supports placed in opposite corners and fixed with snap-on glazing beads using special bushings.
- The sealing between the glass or solid panel and the profile is carried out with internal and external ceramic gaskets.
- For external doors, the sealing of the ceramic gasket is provided to protect it from weathering by means of fire-resistant sealant.
- Doors and fixed doors are equipped with screw-on hinges that can be adjusted in number, from two up to four, depending on the door height.
- Stainless steel hinge bolts are installed at the hinges to ensure the safety of the sash.

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- The hinges are in hot burnished stainless steel.

Surface Treatment:

- Oxidized surfaces burnished with a mechanical cleaning process with abrasive, immersion in burnishing liquid, washing and protection with Vaseline oil or a wax of your choice.

Handles:

- The handles complete the set and are available in different shapes, materials, and finishes, including the raw brass to be varnished.

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