

METALFORM

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Stainless Steel

**4F AF Continuous Fire Resistant Curtain Wall EI
30160190**

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4F AF Continuous Fire Resistant Curtain Wall EI 30I60I90

In stainless steel, this service includes the supply and installation of a fire-resistant curtain wall manufactured with mullions and transoms built using the 4F2 Secco Sistemi 4F AF system. The fire-resistant characteristics of EI 30I60I90 are achieved through cold-rolling profiling of stainless steel AISI 316L Marine (X2 CrNiMo 17-12-2), with a thickness compliant with 20/10, eN10088-2, and EU114 standards, finished with Scotch Brite.

The modules are assembled either by a mechanical joint with alignment holsters and concealed joints or by continuous welding of the surfaces in contact. Mullions are available with a visible section of 50 mm and a depth of either 100mm, 120mm, 150mm, or 180mm. Transoms also feature a visible section of 50 mm and a depth of 100mm, 120mm, 150mm, or 180mm.

Covers, finished to match the modules, have dimensions of 50x16mm for mullions and 50x13mm for transoms, and are securely snapped into place. The pressure profile, made of stainless steel, includes two gasket holder channels with constant pitch holes for installation with fixing screws and is appropriately spaced from the mullions, transoms, and glass supports.

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Key components of the system include internal and external flush profile seals in EPDM for ensuring air tightness, ventilation, water drainage, and ground drainage of condensation water. Additionally, intumescent gaskets are incorporated to protect the areas between the glass and the profiles.

The curtain wall is supplied with glass (maximum thickness 56mm) fixed using the mentioned presser and spaced from the glass by suitable internal and external flush gaskets. Stainless steel supports fixed to the curtain wall mullions provide support for the glass.

For installation, the system requires a supporting construction element made of solid brick, lightened concrete wall, or Ytong cellular block wall. The surfaces are finished with Oxidized Scotch Brite for a polished appearance.

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