

# **METALFORM**

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**Galvanized Steel**

**4F 1 Continuous Curtain Wall**

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## Galvanized Steel

### 4F 1 Continuous Curtain Wall

Supply and installation of a curtain wall with mullions and transoms built using thermal break profiles from Secco Sistemi 4F1, obtained through cold-rolling profiling of steel with a thickness of 20/10. The material features a hot-dip galvanized "Sendzimir system" skinpassed finish (FeP02 GZ 200), with a zinc coating of  $\geq 200$  gr/sqm, compliant with UNI EN 10142/3/7 and EURONORM 143 standards.

The modules are assembled using either a mechanical joint with alignment holsters and concealed joints or by continuous welding of the surfaces in contact. Mullions have a visible section of 50 mm and a depth ranging from 50 mm to 180 mm, while transoms have a visible section of 50 mm and a depth within the same range.

The covers, provided in the same finish as the modules, measure 50x16mm for the mullions and 50x13mm for the transoms, and are snapped into place. The pressure profile, made of stainless steel, features two gasket holder channels with constant pitch holes for installation using fixing screws. It is also spaced from the mullions and transoms by a closed-cell polyethylene foam extrusion.

The system includes internal and external flush profile seals in EPDM for ensuring air tightness, ventilation, water drainage, and ground drainage of condensation water. The curtain wall comes complete with glass (insert glass type, maximum 56mm), fixed using the aforementioned pressure profile and spaced from the glass by suitable internal and external flush gaskets.

The surfaces are oxidized and varnished with powder at a temperature of 180° for 25 minutes in a furnace.

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