

Ceramic.Covering cladding panels are made of porcelain stoneware, a natural compound of pure materials such as minerals, kaolin, feldspars, clay, and pigments that enhance their visual impact. This material is made homogeneous and compact by mechanical pressing with a force of over 500 kg/cm² and firing in a kiln at a temperature of over 1,250 °C. It is characterised by high resistance to weather, abrasion, and fire, meeting the most demanding international standards in force, such as the EN ISO 10545 series, and has virtually zero porosity, ensuring a high degree of impermeability to acids, dirt, and frost.

A KERF cut is made at the factory on the top and bottom edges of the 20mm thick panels, into which an appropriate number of AISI 304L stainless steel clips are fitted for concealed fastening to the substructure. The maximum size of the slabs is 1200x1200 mm.

The EN AW-6063 T6/T66 (AlMgSi) aluminium alloy Ceramic.Covering substructure system is made up of extruded brackets and risers of suitable section, with a minimum thickness of 2 mm, connected by means of AISI 304 and 316 stainless steel fittings and fastening technologies that allow free and independent thermal expansion of all components, thus avoiding harmful stresses. The concealed panel fastening system is achieved with chemically stabilised and mechanically cold-hardened AISI 304L stainless steel clips housed in the extruded profiles. An EPDM pressure profile is placed between the cladding panels and the riser profile to prevent vibration and movement of the cladding panels. This completely mechanical fastening does not require the use of adhesives or chemicals, thus guaranteeing mechanical characteristics that are predictable and do not change over time.

The Ceramic.Covering system guarantees excellent wind load resistance of up to 6.0 kN/m² (600 kg/m²)* and excellent impact strength and resistance, withstanding an impact energy of up to 500 J exerted by a 50kg mass (soft-body impact) without breakage or detachment of material. Its reaction to fire is class A1 according to the European standard UNI EN 13501-1. When the system comes into contact with fire, it does not release any toxic gases or fumes. Ceramic.Covering is fireproof.

**Tests performed in accordance with ETAG 034-1*