

These cladding panels are made of glazed, natural extruded or digitally printed clinker, obtained by single flat-drawing from a special die that is fully compatible with the Terra.Covering system fasteners, with edges that overlap to create a longitudinal overlap joint that allows each individual slab to be removed and inspected, regardless of the others

The cladding is produced in accordance with standard EN 14411, with nominal dimensions between 150x500 and 600x1800 mm and a thickness of 20 mm.

The transverse joint (short side) can be between 5 and 8 mm.

The slab surface features Hydrophilic Tile (HT) self-cleaning technology, based on a high-temperature sintered titanium dioxide compound. Titanium dioxide (TiO₂) acts as a long-lasting catalyst that is activated by normal exposure to light (photocatalysis) combined with oxygen and moisture in the air. This produces activated oxygen, which enables the hydrophilic surface to convert the water that comes into contact with the ceramic into a thin film. Activated oxygen performs three essential functions:

1. It reduces and eliminates airborne pollutants such as formaldehyde or nitrogen oxides (NO, NO₂), thus improving the air quality near the building over a long period of time.
2. It eliminates micro-organisms such as bacteria, fungi, and germs, preventing the formation of new pathogens.
3. It transforms the water that comes into contact with the treated surfaces into a thin film that prevents the formation of unsightly stains and facilitates the removal of the smallest particles of dirt and traces of grease.

HT technology sets a new standard where cleanliness and hygiene are the top priority, reducing the time and amount of detergent required to clean the building envelope.

The EN AW-6060 T6/T64 (AlMgSi) aluminium alloy 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 thermal expansion of all components, independently of each other, thus avoiding harmful stresses.

The fastening system for the panels consists of clips embedded in the extruded profiles, formed by shearing and cold drawing, which allow each slab to be removed and the cladding to be installed extremely quickly and accurately.

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 Terra.Covering system guarantees excellent wind load resistance of up to 3.4 kN/m² (340 kg/m²)* and beyond, with appropriate technical measures; good impact strength and resistance performance, 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. Terra.Covering is fireproof.

*Tests performed in accordance with ETAG 034-1