LAPITEC

Facade cladding with Lapitec® sintered stone panels with concealed anchoring system with Fisher

Provision and installation of rear-ventilated facade cladding with Lapitec® sintered stone completed using the following system:

Load-bearing structure, in natural extruded aluminium, composed of "L" anchoring brackets, "T" profiles and "C" tracks that are suitable thick.
The brackets will be fixed to the wall using wall plugs that will comply the basis of the static requirements of the project. The depth of the brackets will be equal to the thickness of any insulation plus the size of the ventilation chamber (min 4 cm).
The "T" profiles will be vertically fixed to the brackets using screws or rivets. The span distance between uprights will be determined on the load requirements of the project.
The "C" tracks will be positioned horizontally and fixed to the vertical uprights by means of screws or rivets. The span distance between the tracks will depend on the slabs used as cladding, but will always comply with the maximum span distance allowed by the manufacturer (about 750 mm).
The structure will need to be sized on the basis of the expected stress and maximum permissible deformation with special attention to areas subject to significant loads (e.g.: perimetral areas, edges...)
The structure will be able to absorb the dilation caused by changes in temperature.
Manufacturing includes all excess material, the creation of dilation joints, mechanical fixings and any other complementary service to achieve a work that is complete under every aspect.

LAPITEC® sintered stone panels _____ finish. The colour, engrained in the body, will be selected by Construction Management from the standards available.
The cladding panels will have the following specifications: Dimensions: 1.540x3.440 mm (EN 14617-16); Thicknesses available: 12-20-30 mm (EN 14617-16); Density: 2,400 kg/m3 (EN 14617-1); Elastic modulus (E): 60 GPa (EN 14617-2); Flexural strength (σk): 42 MPa (EN 14617-2); Compressive strength: 483 N/mm2 (ASTM C170); Linear thermal expansion coefficient: 6.3 x 10-6 °C-1 (EN 14617-11); Reaction to fire: A1 (EN 13501-1); Resistance to acids and bases: C4 – Resistant (EN 146217-10).
The cladding panels will be squared and cut according to architectural design, in consideration of the standard format (maximum usable size 1.540x3.440 mm). Thickness of the panel: _____ mm.
Blind holes will be drilled in compliance with the manufacturer's instructions. The number and distribution of the holes and fixings will be determined on the basis of the static requirements of the project.
The panel layout will have gaps that are in-line/alternated/random.
Vertical and horizontal gaps will be ≥ 10 mm and will be open / closed by pre-varnished black aluminium sheet metal profiles press-folded to design, thickness 6/10 mm.
Corners and edges will have 45° angle cuts and/or corners in sheet metal and/or overlapping heads.

The panels will be installed on the load bearing structure described by means of clips attached to the rear of the panels themselves, using FISCHER FZP II T type expanding plugs. The plugs will be applied in compliance with the manufacturer's instructions.

An L-shaped micro-perforated profile will be placed at the base and summit of the facade to allow for ventilation but prevent the entry of insects or small animals. The profile in 8/10 mm thick pre-varnished black aluminium sheet metal will be based on the depth of the gap and will be fixed to the vertical uprights by means of screws or rivets.

Total m²	**0,00**
Total €/m²	**0,00**
Total €	**0,00**

Lapitec S.p.A.
Via Bassanese 6 - 31050 Vedelago (Treviso) - Italy
tel.: +39 0423 703811 - fax : +39 0423 709540
info@lapitec.com - www.lapitec.com
C.F.-P-iva IT04453430268 – r.e.a. di TV 351174 – reg.imp. di TV – Cap.soc. i.v. € 250.000,00
Società soggetta all'attività di direzione e controllo della Breton S.p.A.