TENDER DESCRIPTION DIRECT ADHERE AND ETICS FACADES

DIRECT ADHERE FACADE

DKB system

DEKTON ultra-compact surface by COSENTINO, colour to be defined by the Management*, mineral composition, thickness 8 or 12 mm. The surface is made up of 25,000 tons of pressed material (>450 kg/cm) and sintered at a temperature of around 1,200 ºC, with a useful size of 3.20x1.44 m. and a smooth back (fine ribbed texture, without ribs). Reaction to fire Class A1 [according to EN 13501], unaffected by UV radiation [ΔE < 1 tested in a Xenon chamber at 5000h], with thermal conductivity < 0.5 W/m- ºC [according to EN12664], specific heat < 700 J/Kg- ºC [measured with DSC], surface resistivity < 65 TΩ/m [at 1000 V] and must have these mechanical-functional characteristics according to EN 10545: Flexural strength > 45 N/mm . Density > 2.500 Kg/m3 . Porosity < 0.05 %. Linear expansion < 10-6 ºC-1. Can be used in outdoor environments, even aggressive ones (petrol, diesel, various solvents) and cleaned with water or other pressurised products, using commercial cleaning products or specific chemical agents (e.g. sulphuric acid, bleach, hydrogen peroxide, acetone, caustic soda) in the case of persistent stains.

Applied as a cladding for facades, with cementitious adhesive in a thin layer with double glueing type C2TES2 adhesive (according to UNE EN 12004) with improved adhesion, reduced slip, extended open time and very deformable. 3-5 mm wide placement joint, grouted with cementitious mortar with high resistance to abrasion and reduced absorption type CG2AW (according to UNE EN 13888). Expansion joints of the cladding every 16 m2 or 4 linear metres, perimeter joints and expansion joints following structural joints of the building.

Upper end of the façade with a special piece with water drip,

ETICS INSULATED FACADE

DKS system

DEKTON PROTEK ultra-compact surface by COSENTINO Colour to be defined by the Management*, of mineral composition formed by pressing 25,000 Tons (>450 kg/cm) and subsequent sintering at temperatures around 1. 200 ºC, with useful dimension 3.20x1.44 m, 4 mm thickness with back side incorporating fibreglass mesh 300 g/m2 with epoxy resin; reaction to fire Class A2 s1 d0 [according to EN 13501], unaffected by UV radiation [ΔE < 1 tested in a Xenon chamber at 5000h], with thermal conductivity < 0.5 W/m- ºC [according to EN12664], specific heat < 700 J/Kg- ºC [measured with DSC], surface resistivity < 65 TΩ/m [at 1000 V] and must have these mechanical-functional characteristics according to EN 10545: Flexural strength > 55 N/mm . Density > 2.500 Kg/m3 . Porosity < 0.05 %. Linear expansion < 10-6 ºC-1. Can be used in outdoor environments, even aggressive ones (petrol, diesel, various solvents) and cleaned

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with water or other pressurised products, using commercial cleaning products or specific chemical agents (e.g. sulphuric acid, bleach, hydrogen peroxide, acetone, caustic soda) in the case of persistent stains.

Applied as an external thermal insulation system (ETICS) coating, fire classification according to EN:13501 B-S1-d0, consisting of Aluminium Starter Profile. Gluing of EPS/XPS expanded polystyrene sheets with a thickness of __ mm. The sheets will be bonded with adhesive mortar, guaranteeing at all times 100% contact with the surface of the sheet. The plates are mechanically anchored with nylon plugs with steel screw with thermally insulated head. The layout and number of fixings will depend on the exposure of the building and its height, with a minimum of 4-5 pcs/m2 . Placement of Corner Profiles on edges as reinforcement, as well as in openings, taken with mortar. Placement of Gutter Profile in areas of window openings. Installation of the frame profile at the point where the insulation system meets the metalwork. Fitting of a proportional part of the reinforcing mesh in the corner of windows and doors.

The surface of the panels will be covered with a structural reinforced plaster, with Mesh, in fibreglass with anti-alkali treatment and covered with mortar of high ductility and mechanical resistance, mixed with fibreglass and classified R2 according to standard EN 1503-3. Application of Dekton in a maximum format of 50x150 using Flexible cementitious adhesive type R2T FOR Dekton 4 mm with mesh and C2S2 for Dekton 8 mm without mesh acording to EN: 12004 and perimeter grouting with Flexible joint mortar type UI CG2 AF W EN: 13888.

Note:
These tender descriptions are generic and need to be adapted and modified to each Project system and solution.
They can be more extended including detailed information from different elements suppliers.
If you need any Support to adapt these descrption do not hesitate to contact Cosentino.

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