TENDER DESCRIPTION OF VENTILATED FACADES

DEKTON

DEKTON® ultra-compact surface

DEKTON ultra-compact surface of COSENTINO Colour to be defined by Project Management*, of mineral composition and 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, thickness 20 mm / 12 mm / 8 mm and 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.

DEKTON® Protek® ultra-compact surface

DEKTON PROTEK ultra-compact surface by COSENTINO Colour to be defined by Project 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, thickness 20 mm / 12 mm / 8 mm and 4 mm 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 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.

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RAINSCREEN CLADDING

DKT1 System

Hidden system. Supporting substructure composed of; metal brackets, adjustable for correction of unevennesses compatible with different types of supports, can include thermal break insulator; vertical metal profiles of different sections according to the required application; horizontal metal profiles type C-Carrier/Rail; hidden anchorage system by means of undercut screw and fastening by means of Hanger/Clip accessory to Dekton Panel.

Installation process: Brackets installed on the surface to be covered by means of a mechanical system or welding; vertical profiles installed on brackets with a regulation and fastening system, by means of specific screws*; horizontal C-Carrier/Rail profiles with a regulation and fastening system, installed by means of specific screws* on vertical profiles; Hanger/Clip accessory after joining with hidden anchorage to the back of the Dekton surface, installed on C-Carrier/Rail with a regulation and fastening system.

*Specific screws according to the structural calculation of each project or indicated by the supplier of the substructure.

DKT2 System

Hidden system. Supporting substructure made up of; metal brackets, adjustable for correction of unevennesses compatible with different types of supports, can include thermal break insulator; vertical metal profiles of different sections according to the required application; continuous horizontal metal profiles type H-Carrier/Rail; hidden anchorage system by means of continuous grooving in the Dekton Panel for fastening by insertion.

Installation process: Brackets installed on the surface to be covered by means of a mechanical system or welding; vertical profiles installed on brackets with a system of regulation and fastening, by means of specific screws*; continuous horizontal H-Carrier/Rail profiles with a system of regulation and fastening, installed by means of specific screws* on vertical profiles; positioning of the lower edge of the Dekton Panel on continuous H-Carrier/Rail profile; installation of the blocking device on the upper part, continuous H-Carrier/Rail profile.

*Specific screws according to the structural calculation of each project or indicated by the supplier of the substructure.

DKT3 System

Hidden system. Supporting substructure made up of; metal brackets, adjustable to correct unevennesses and compatible with different types of supports, can include thermal break insulators; vertical metal profiles of different sections according to the application required; horizontal metal profiles or H-Carrier/Rail or J-Carrier/Rail type clamps; hidden anchoring system by means of continuous grooving in the Dekton Panel for fastening by insertion.

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Installation process: Brackets installed on the surface to be covered by means of a mechanical or welding system; vertical profiles installed on brackets with a regulation and fastening system, by means of specific screws*; specific horizontal profiles or H-Carrier/Rail or J-Carrier/Rail clip with a regulation and fastening system, installed by means of specific screws* on vertical profiles; Installation of the lower edge of the Dekton panel on a point profile or H-Carrier/Rail or J-Carrier/Rail clip; installation of the locking device on the upper part, point profile or H-Carrier/Rail or J-Carrier/Rail clip.

*Specific screws according to the structural calculation of each project or indicated by the supplier of the substructure.

DKT4 System

Visible system. Supporting substructure made up of; metal brackets, adjustable to correct unevennesses and compatible with different types of supports, can include thermal break insulators; vertical metal profiles of different sections according to the required application; horizontal metal profiles or H-Carrier/Rail or J-Carrier/Rail type clamps; visible anchoring system by means of continuous grooving in the Dekton Panel for fastening by insertion.

Installation process: Brackets installed on the surface to be covered by means of a mechanical system or welding; vertical profiles installed on brackets with a system of regulation and fastening, by means of specific screws*; visible accessory of the H-Carrier/Rail or J-Carrier/Rail type with a system of regulation and fastening, installed by means of specific screws* on the vertical profiles; Installation of the lower edge of the Dekton panel on a visible accessory such as the H-Carrier/Rail or J-Carrier/Rail clamp; installation of the lock on the upper part, visible accessory such as the H-Carrier/Rail or J-Carrier/Rail clamp.

*Specific screws according to the structural calculation of each project or indicated by the supplier of the substructure.

DKBG system

Hidden system. Supporting substructure made up of; metal brackets, adjustable to correct unevennesses and compatible with different types of supports, can include thermal break insulators; vertical metal profiles of different sections according to the application required; continuous horizontal U-Carrier/Rail type metal profiles; hidden anchoring system by means of a specific compression clip inserted into a groove in the back of the Dekton panel; continuous profile to block the grip clip on the Dekton panel.

Installation process: Brackets installed on the surface to be covered by means of a mechanical or welding system; vertical profiles installed on brackets with a regulation and fastening system, by means of specific screws*; continuous horizontal U-Carrier/Rail profiles with a regulation and fastening system, installed by means of specific screws* on vertical profiles; clamp-type accessory after joining with a blocker on the back of the Dekton surface, installed on U-Carrier/Rail with a regulation and fastening system.

*Specific screws according to the structural calculation of each project or indicated by the supplier of the substructure.

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DKC system

Hidden system. Supporting substructure made up of; metal brackets, adjustable for the correction of unevennesses compatible with different types of supports, can include thermal break insulator; vertical metal profiles of different sections; hidden system of chemical fixing by means of adhesive to the back of the Dekton Panel, according to the manufacturer's recommendations for its application.

Installation process: Brackets installed on the surface to be covered by means of a mechanical system or welding; vertical profiles installed on brackets with a regulation and fastening system, by means of specific screws*; possible installation of accessories according to the requirements of the manufacturer of the chemical system and subsequent installation of the adhesive to the vertical profile as indicated; installation of the panel to the chemical system by means of support from the back of the Dekton Panel.

*Specific screws according to the structural calculation of each project or indicated by the supplier of the substructure.

Note:

These tender descriptions are generic and need to be adapted and modified to each Project system and solution.

They could be more extended including detailed information from different elements suppliers.

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