

LUHA
FAÇADE SOLUTIONS

FACE

The other face of architecture
RAINSCREEN CLADDING

THE RAINSCREEN CLADDING SYSTEM “FACE BY SOLADRILHO®”

FACE by Soladrilho® is the complete solution for rainscreen cladding terracotta system with 20 or 30 mm thick alveolar pieces.

More and more architects are turning to this solution to clad their projects, allowing for a quick and effective renovation of building facades, but also to give a modern and natural look on new constructions.

The rainscreen cladding system FACE by Soladrilho® was launched in 2004 and has already been implemented in numerous projects worldwide. FACE by Soladrilho® is a constructive solution that can be applied to both new and rehabilitated structures. Due to its reliable cladding, it can be used in various types of buildings, including houses, offices, shopping malls, hospitals, industrial buildings, among others.

The rainscreen cladding has been gaining increasing interest in contemporary architecture, both for its technical characteristics and its aesthetic language.



FORMATS & DIMENSIONS

FACE by Soladrilho® has standard formats starting from 150mm and going up to 600mm in width, and is available in standard lengths from 300mm to 1800mm, with a thickness of 20 or 30 mm.

Due to the modularity of the ceramic piece, FACE by Soladrilho® is available in non-standard formats, finishes and shapes upon consultation and prior project study.

FORMATS	THICKNESS	WIDTH	LENGHT
 FACE TR	30 MM	150 MM to 600 MM*	300 MM to 1800 MM
 FACE LT	20 MM	150 MM to 500 MM*	300 MM to 1500 MM

*The width is spaced at intervals of 50 mm.



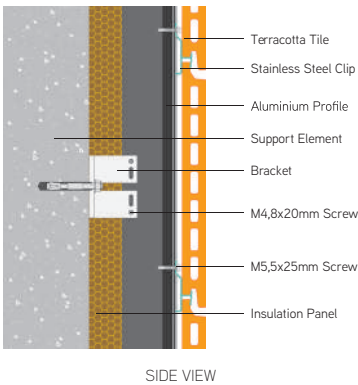
FIXING SYSTEM

The FACE by Soladrilho® fixing system is a versatile and balanced solution that can be applied on both vertical and horizontal installation by the use of one unique clip.

Using stainless steel and aluminium materials, it is prepared to resist to high loads, thermal expansion & conductivity and corrosion.

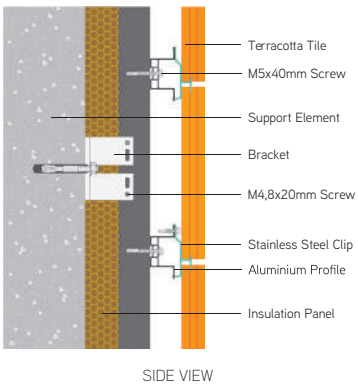
CONSTRUCTION DETAILS

HORIZONTAL INSTALLATION

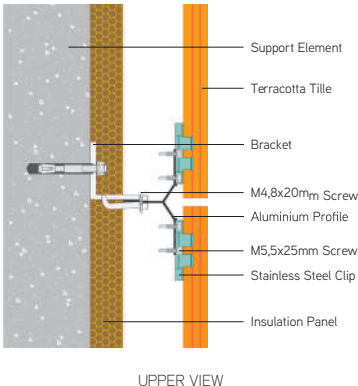


SIDE VIEW

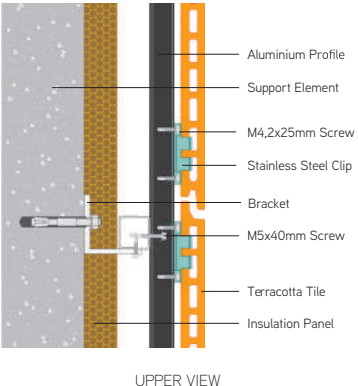
VERTICAL INSTALLATION



SIDE VIEW



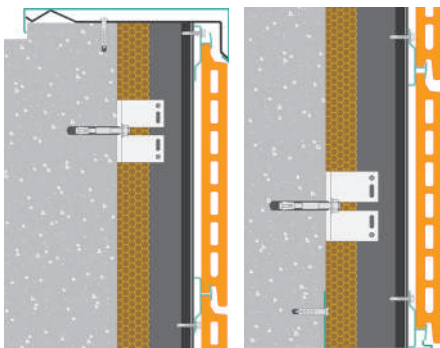
UPPER VIEW



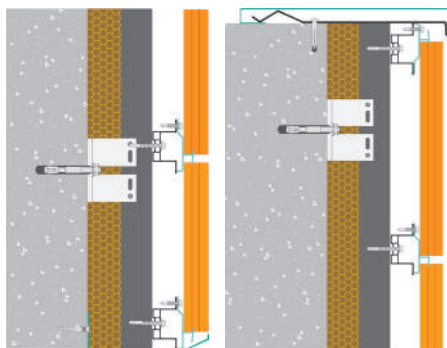
UPPER VIEW

HORIZONTAL INSTALLATION

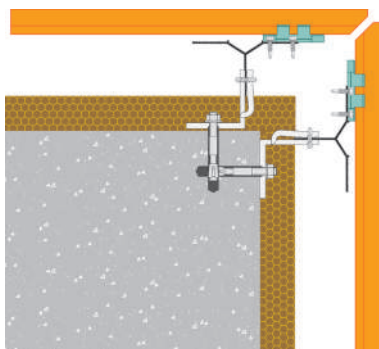
VERTICAL INSTALLATION



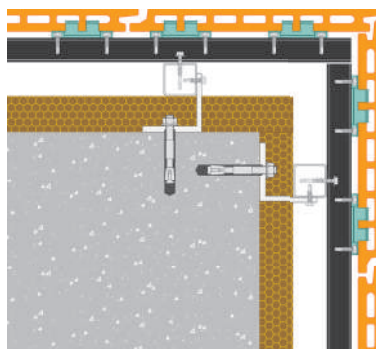
TOP + BOTTOM FINISH



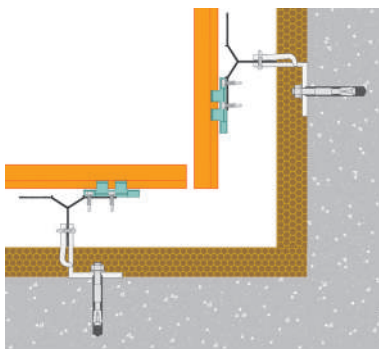
TOP + BOTTOM FINISH



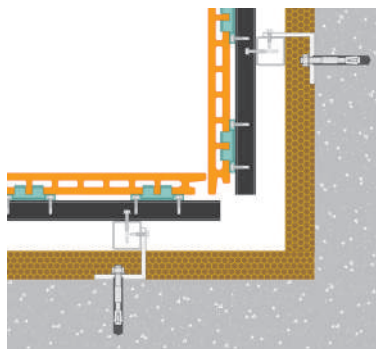
EXTERNAL CORNER



EXTERNAL CORNER



INTERNAL CORNER



INTERNAL CORNER

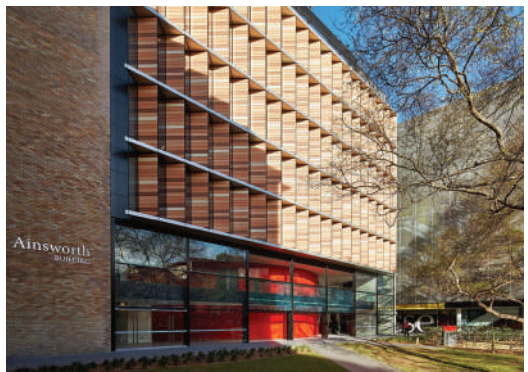
PROJETS AROUND THE WORLD



Commercial Building Parkview
FRANCE
2019



Verde Student Residential
UNITED KINGDOM
2016



University New South Wales
AUSTRALIA
2014



Horta Maritime Station
PORTUGAL
2011

CERTIFICATION & PERFORMANCE

TECHNICAL CHARACTERISTICS	NORMS	VALUES OF NORM	FACE BY SOLADRILHO*	
			FACE LT	FACE TR
	LINEAR THERMAL EXPANSION COEFFICIENT	NP EN ISO 10545 - 8	$< 10 \times 10^{-6} \text{ }^{\circ}\text{C}^{-1}$	$< 4,4 \times 10^{-6} \text{ }^{\circ}\text{C}^{-1}$
	THERMAL SHOCK RESISTANCE	NP EN ISO 10545 - 9	RESISTENT	RESISTENT
	FROST RESISTANCE	NP EN ISO 10545 - 12	150 CICLES	RESISTENT
	FLEXION RESISTANCE/MODULUS OF RUPTURE	NP EN ISO 10545 - 4	$\geq 900\text{N}$ $\geq 15\text{N/mm}^2$	5134 N 19,1N/mm ²
	CHEMICAL RESISTANCE	NP EN ISO 10545 - 13	MIN. UB	A / LA
	WATER ABSORPTION	NP EN ISO 10545 - 3	$\leq 10\%$	9,0%
	THICKNESS	NP EN ISO 10545 - 2	$\pm 1,0\%$	$\pm 1,0\%$
	STRAIGHTNESS OF THE SIDES	NP EN ISO 10545 - 2	$\pm 1,0\%$	$\pm 0,3\%$ (Max. 3mm)
	ORTHOGONALITY	NP EN ISO 10545 - 2	$\pm 1,0\%$ (Max. 3mm)	$\pm 1,0\%$ (Max. 3mm)
	SURFACE FLATNESS	NP EN ISO 10545 - 2	$\pm 1,0\%$ (Max. 3mm)	$\pm 0,3\%$ (Max. 3mm)
	LENGTH	NP EN ISO 10545 - 2	$\pm 1,5\%$ (Max. 2mm)	$\pm 0,3\%$ (Max. 2mm)
	HEIGHT	NP EN ISO 10545 - 2	$\pm 1,5\%$ (Max. 3mm)	$\pm 1,5\%$ (Max. 3mm)
	EXPANSION WITH HUMIDITY	NP EN ISO 10545 - 10	DECLARED VALUE	0,0 mm/m
	STAIN RESISTANCE	NP EN ISO 10545 - 14	GLAZED = MIN 3 NON GLAZED = DECLARED VALUE	NON GLAZED CHROMIUM = 2 IODINE = 5 OIL = 1
	IMPACT RESISTANCE	NP EN ISO 10545 - 5	MIN 0,55	0,73

NATURAL COLOR RANGE



GLAZED COLOR POSSIBILITIES

GLOSSY / MATTE FINISHES



REACTIVE / SELENIUM FINISHES



Upon consultation and prior project study, FACE by Soladriho® can be made available in other colors and finishes (glazed, textured).

Important note: FACE by Soladriho® is a product that may exhibit natural shade variation, resulting from its extrusion manufacturing process and the inherent characteristics of the clays. In this regard, careful application is recommended, alternating pieces with different tones to achieve a better aesthetic effect.



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