

PORCELAIN FAÇADE CLADDING

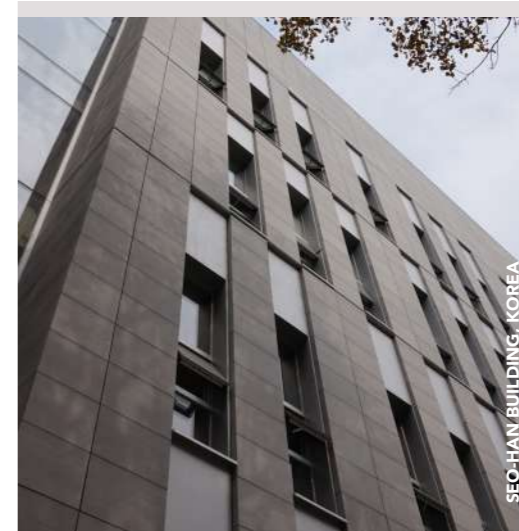
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cerámica tecnológica en fachadas

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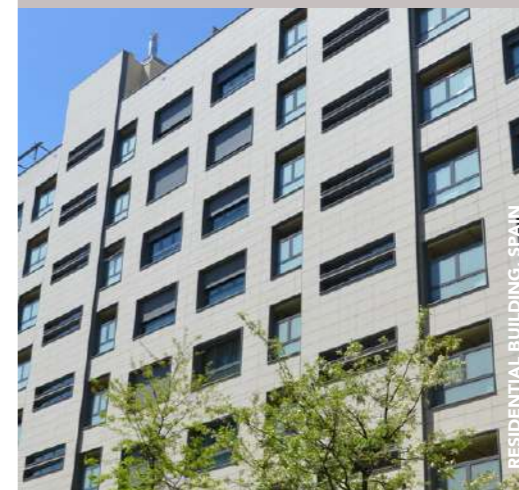
OFFICE BUILDING, NIGERIA



SEO-HAN BUILDING, KOREA



TECHNOLOGICAL PARK, SPAIN



RESIDENTIAL BUILDING, SPAIN

ABOUT US

Frontek offers ceramic façade panels made in Spain that combines elegance and durability of porcelain and stone with malleability of terracotta. These panels are designed to allow freedom of expression for architects and ease of installation for builders, even in the most demanding conditions.

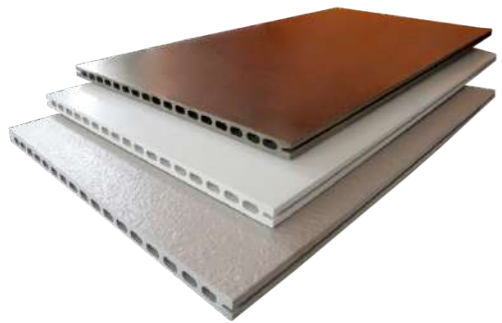
Frontek Australia Pty Ltd was established to support the promotion of our innovative cladding solutions in Australia's sophisticated construction market. We are committed to match the expectations of all professionals involved in building developments here.

WHAT IS FRONTEK?

Our team has developed a unique piece of extruded ceramic in vitrified porcelain quality that has excellent properties for facade cladding.

Frontek tiles are extremely hard, with low water absorption, fireproof, and colour stable. They do not require special maintenance, are easy to clean, pollution resistant, marine proof and with long lifespan.

Our panels are also remarkably light (32 kg/m²). They are available in a range of sizes, from 300x600 to 600x1800 mm, the standard being 405x800 mm and 405x1000 mm. Extruded ceramic panels have been designed for easy installation into mechanical fixing systems.



FRONTEK COMPLIANCE WITH NCC

Parameter	Australian Code	MIN Requirement	Frontek Value	Standard
Tolerances	AS 2049-2002	Width: 2% Length: 2%	+0.00%, -0.17% +0.00%, -0.03%	UNE-EN ISO 10545-2:1998
Distortion	AS 2049-2002	3 mm	<0.2% (L=900 mm) =1.6 mm	UNE-EN ISO 10545-2:1998
Breaking load	AS 2049-2002	Transverse: 4 N/mm ²	6529 N (b=405 mm) =16.1 N/mm	UNE-EN ISO 10545-5:2012
Water absorption	AS 2049-2002	<10%	0.3%	UNE-EN ISO 10545-3:1997
Freeze/Thaw	AS 2049-2002	5 cycles	100 Cycles without visible effects	UNE-EN ISO 10545-12:1997
Combustibility	AS 1530.1-1994	Non-combustible	Tested Non-combustible	Without need of test (According to 96/603 EC modified)



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OFFICETEL, KOREA

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CERSAIE EXHIBITION, ITALY































































Frontek offers a wide range of finishes to suit the latest trends in architecture. A variety of pieces can be combined to give each façade an original and trendy design. All façade panels can be adapted to any building peculiarity and its surroundings.

Frontek has different collections: textured, polished, natural and glazed. We also provide customized designs to satisfy the most selective demands.

Our design team will help you find that exclusive finish you are looking for.

COLLECTIONS

METAL	TEXTURED	POLISHED	NATURE
 METAL 4	 METAL 1	 ST5001	 ST108
 METAL 5	 METAL 2	 ST5002	 ST109
	 METAL 3	 ICEBERG	 ST110
		 URBAN	 ST111
		 CANYON	 ST115
 URANO	 V1005	 AZABACHE	 ST116
 V1001	 V1002	 JÚPITER	 ST123
		 SONORA	 WT302
		 LONDRES	
		 VENUS	 ÁRTICO
		 MERCURIO	 TITANIA
		 MARTE	 SIROCCO
		 TÁMESIS	 CALIMA
			 S126
			 S113
			 S100
			 S127
			 S117
			 S101
			 S128
			 S118
			 S102
			 S129
			 S119
			 S103
			 S130
			 S120
			 S104
		 WV301	 W300
		 WT302	 W303
		 W304	 S132
			 S122
			 S106
			 S125
			 S124
			 S107



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CARRIL DEL CONDE, SPAIN



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GYS TOWER INDIA

FIXING SYSTEMS

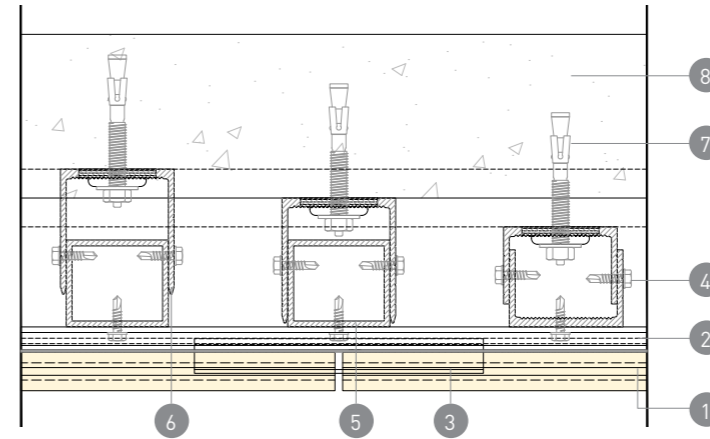


Our engineers have recently developed new fixing systems that meet the Australian standards. Frontek cladding systems have been designed in black anodized aluminium and stainless steel accessories.

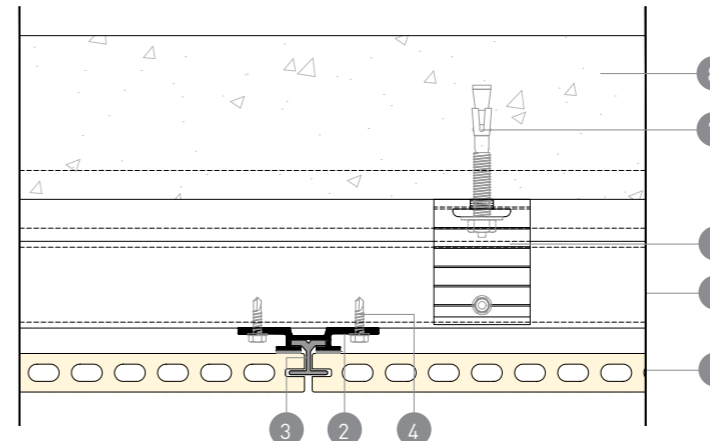
Panels can be fixed in horizontal, vertical and in soffit with each fixing system, taking advantage of ventilated facades.

Frontek offers cladding solutions for brick and concrete walls, stud walls, curtain walls, unitized and modular systems. We also develop customized solutions if required.

SOFFIT FIXING



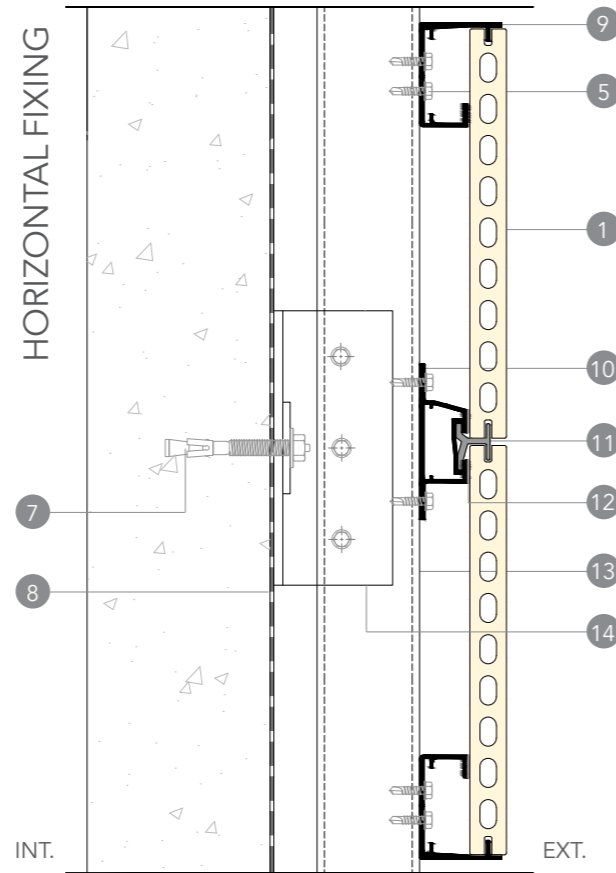
LONGITUDINAL SECTION



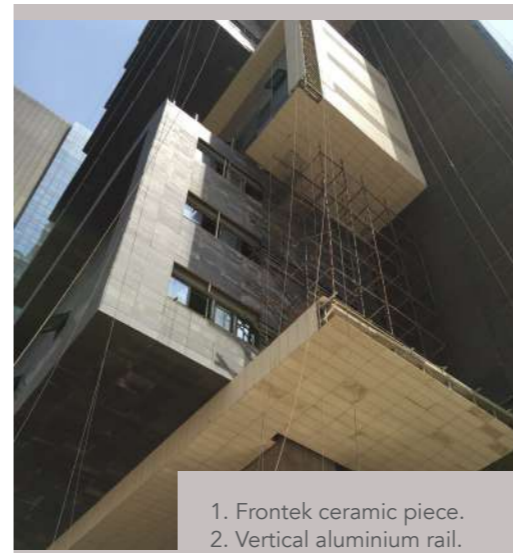
CROSS SECTION



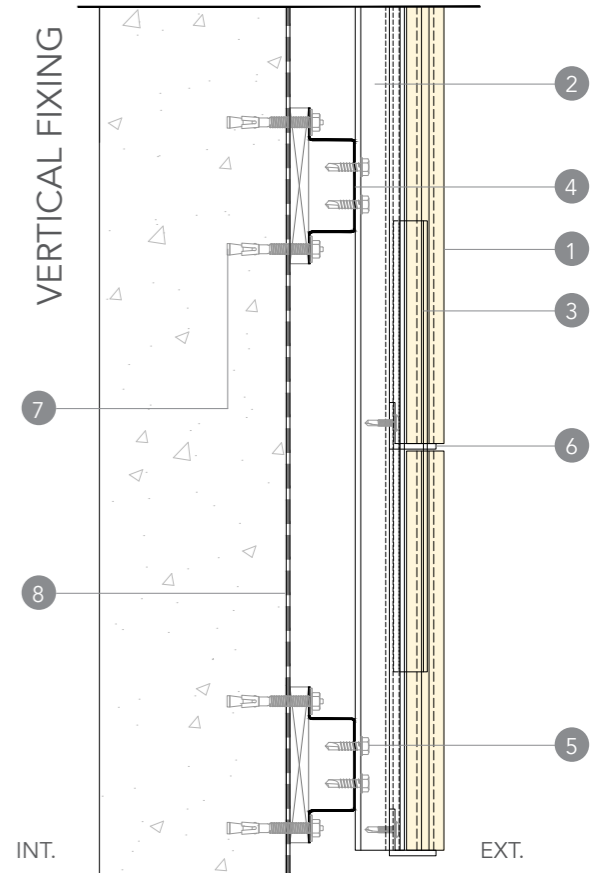
1. Frontek ceramic piece.
2. Vertical ceiling installation rail.
3. Vertical ceiling installation clip.
4. Stalling steel self drilling clip.
5. Square pipe 3 mm thick.
6. CW 13-47.
7. Expansion anchor.
8. Slab.



VERTICAL SECTION



1. Frontek ceramic piece.
2. Vertical aluminium rail.
3. Vertical aluminium rail clip.
4. Top hat galvanized steel.
5. Stainless steel self drilling screw.
6. 25x25x3 mm extruded aluminium.
7. Expansion anchor.
8. Engineered backpan.
9. Horizontal aluminium rail top/bottom.
10. Horizontal aluminium rail standard.
11. Horizontal aluminium rail clip.
12. Sealant.
13. Vertical mullion.
14. Fixing bracket.



VERTICAL SECTION

FACADES REFURBISHMENT

Frontek panels have been used in a wide range of remedial and refurbishment works to complete stunning and environmentally-friendly projects.

Architects worldwide have chosen Frontek ceramic panels for façade renovations as sustainable materials. Their projects earn a new lease of life and a remedial façade upgrade beyond just the physical.

Frontek is a lightweight cladding that can replace or be installed directly over deteriorating masonry, precast concrete, or other claddings. The installation can be done from the exterior without affecting the building. In some instances, our solutions can be installed without removing the original cladding, creating a clean and safe finish.

The result is a straight forward process that not only ensures your building's future but also leaves you with lower maintenance costs and great valuation boost of assets.

- ✓ EASY TO CLAD
- ✓ QUICK AND SAFE INSTALLATION
- ✓ NON-COMBUSTIBLE



WHY FRONTEK?

Frontek has developed a worldwide portfolio of projects that meet a variety of demands. Our facade cladding solutions have been used in hotels, hospital, schools, residential, corporate office, retail and industrial. Our cladding solutions come with unique properties and easy installation, specifically designed for high rise buildings and extremely challenging projects.

Frontek cladding can tick all the boxes:



FIREPROOF

AS1530.1 - Non combustible
AWTA ISO 5660.1 - Group 1



COLOUR STABLE

Full body coloured resistance
solar radiation.
Guaranteed 10 years.



MARINE PROOF

Humid salty environments have no
impact on porcelain cladding.



POLLUTION

High resistance to chemical
aggressions even in high
concentration.



LIFESPAN

Impervious over time, will not
be affected by frost or thermal
shocks.



CLEANING

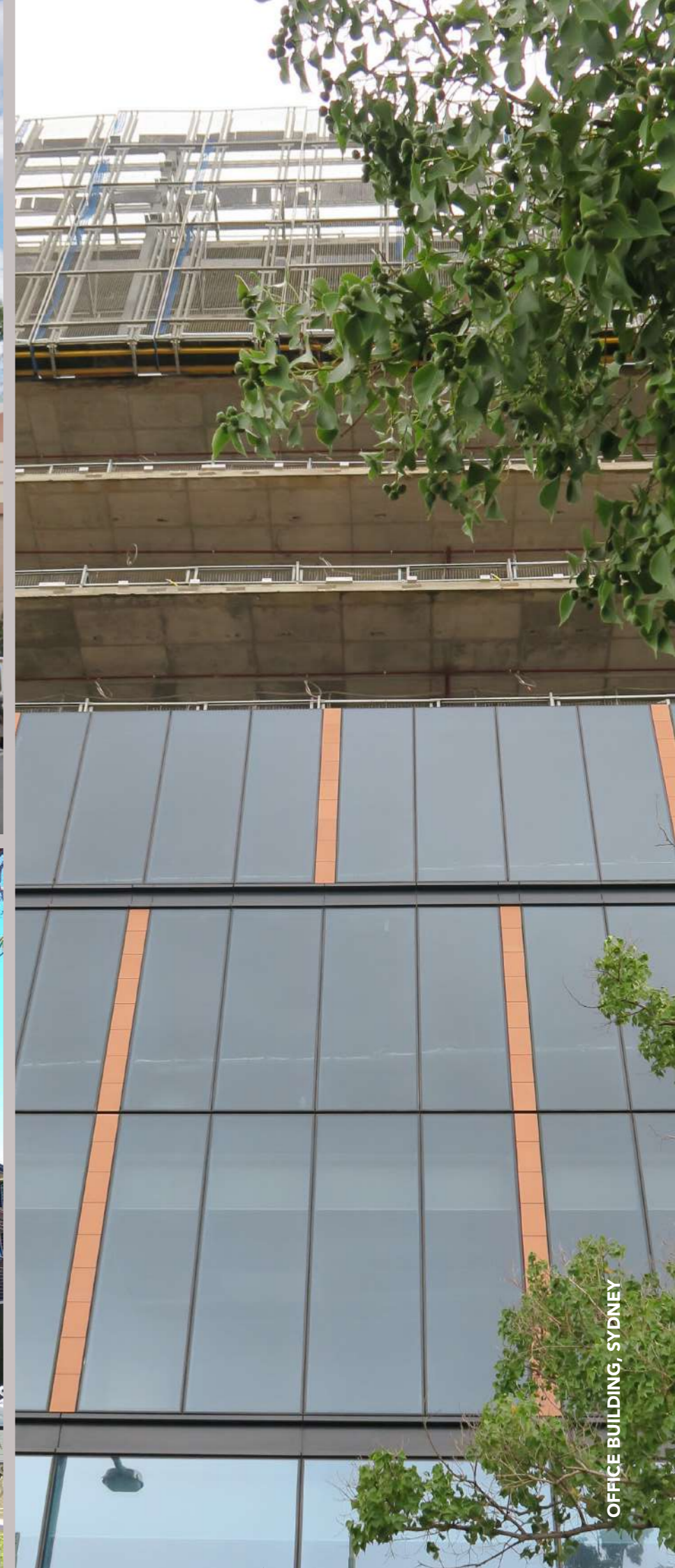
Stain resistant and because of
a very low porosity it is a very
hygienic and easy to clean.



MAINTENANCE

Frontek does not require any
special maintenance.

FRONTEK IN AUSTRALIA





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