

Panelex®

 Lamitech®

FACADES

Panelex®

PANELEX is a thermo stable architectural panel, that is used as wall cladding in ventilated facades. It comes in a range of colors and designs, variety of sizes and thicknesses, ensuring excellent appearance for a long period of time.

It is an ideal material for facades where efficient indoor temperature control, acoustics management, energy saving and easy maintenance is required.



PANELEX is produced in three different types. Choose the type that best suits your project requirements

UV radiation resistance (Type 1): with all the required qualities for an excellent performance in exterior environments.

UV Radiation Resistant and Anti graffiti (Type2): Produced with an additional non-stick quality that facilitates all type of paint removal, frequently used in graffiti paintings.

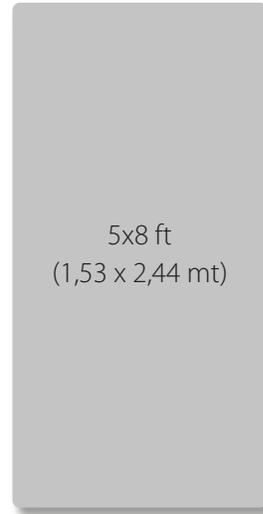
This two options have a symmetrical structure with the same type of filter on both sides of the panel, which results very useful whenever your project requires PANELEX in a woodgrain or Granite design both, on the surface and the back.

TYPE 3 an excellent solution for facades that require an antigraffiti quality with only one of the sides with special woodgrain or granite design.

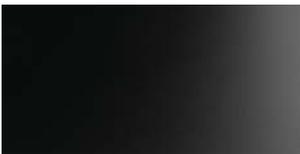
Under exterior environmental conditions, PANELEX presents high resistance to the attack of polluting agents, ultraviolet radiation, strong changes of temperature, extreme cold weather and water.

The finishes offered result from a high technology combination between inks and UV filters, which guarantee a highly stable appearance for many years.

Sizes



Finishes



Thicknesses

0.16" (4 mm)
0.24" (6 mm)
0.31" (8 mm)
0.47" (12 mm)
0.59" (15 mm)
0.71" (18 mm)
0.79" (20 mm)



Advantages

- ✓ 100% thermostable, non porous, waterproof, suffers no corrosion or discoloration due to outdoor exposure, ensuring a good appearance over time.
- ✓ Protection against UV fading from sunlight.
- ✓ It does not suffer from pest attacks, or allows the growth of bacteria.
- ✓ Structural integrity, constituted as a monolithic element..
- ✓ Due to its high impact resistance, it can be exposed in areas where there is high user traffic, including sport areas.
- ✓ Compatibility with thermal insulation due to the posterior chamber that is made at instalation.

- ✓ Acts independently as thermal and acoustic insulator.
- ✓ Independent fixings from the main structure of the building allow greater control of facade movement.
- ✓ Extensive modulation possibilities.
- ✓ Easy to install and secure.
- ✓ It does not allow the growth of fungi, mosses and lichens, as it is an inert material.
- ✓ Manufactured with the latest technology in compliance with international quality standards, ensuring an excellent product.

Panelex Collection

PANELEX has more than 110 possibilities in solid colors, wood patterns and designs, with UV filters that ensure the stability of their appearance. Its sealed surface has nonstick properties, which prevent dirt accumulation and facilitate cleaning.

Solids



★ Color/Pattern available only in:
4x8 ft (1,22 x 2,44mt)

○ Color/Pattern available only in:
4 x 8 ft (1,22 x 2,44 mt)
4 x 10 ft (1,22 x 3,06 mt)

● Color / Pattern available only in:
4 x 8 ft (1,22 x 2,44 mt)
4 x 10 ft (1,22 x 3,06 mt)
5 x 8 ft (1,53 x 2,44 mt)
5x12 ft (1,53 x 3,66 mt)

Metallized

The color of the laminate varies according to the pattern and design used. Please ask for a real sample before you make a decision.



Woodgrains



● Hard Rock Maple 0791



○ Natural Pear 1788



○ Modern Cherry 1470



○ Padouk 1740



○ Thermowood 1506



● Larice Espresso 1492



● Serra Dorato 1835



○ Rural Pine 1505



○ Light Alpi 1799



○ Beech 1780



● Pear 1750



○ Classic Cherry 1474



○ Cafe Oak 1830



○ Brown Oak 1836



○ Smoked Rovere 1504



○ Neutral Oak 1498



○ Blend Maple 1323



○ Lineal Oak 1467



○ Cognac Maple 1485



○ Mahogany 1460



● Wengue 1807



● Grey Oak 1829



○ French Walnut 1510



○ Provincial Oak 1501



○ Roble Natural 1802



● Teca Villamayor 1800



● Italian Walnut 1513



○ Vogue 1937



● Wengue Tabaco 1834



○ Mystic 1512



○ Cypress Camel 1489



○ Natural Elm 1499



○ Natural Beech 1803



○ Organic Maple 1511



○ Palisander 1839



○ Espresso Pear 1789



○ Noce 1841



○ Grey Cedar 1465



● Cypress Cinamon 1490



○ Country Oak 1463



○ Cinzel Oak 1508



● Zebrano 1810



● Noce Caffe Latte 1832



● Olive Elm 1503



● Chocolate Oak 1808



○ Zebra Ebano 1466



○ Bleached Maple 1322



○ Scandinavian Wood 1509



○ Sea White 1502



○ Spiced Chestnut 1517



○ Vintage Teak 1516



○ Urban Ash 1519



○ Timber Blocks 1521

Granites & Marbles



● Granitine Black 3014



● Galaxy Graphite 0491



● Mocha Granite 3154



● Lapidus 3110



● Granite Chocolate 3034



● Rustic Oxide 3134



● Terra Steel 3116



○ Marquina 3118



○ Petrified Grey 3129



● Industrial Concrete 3127

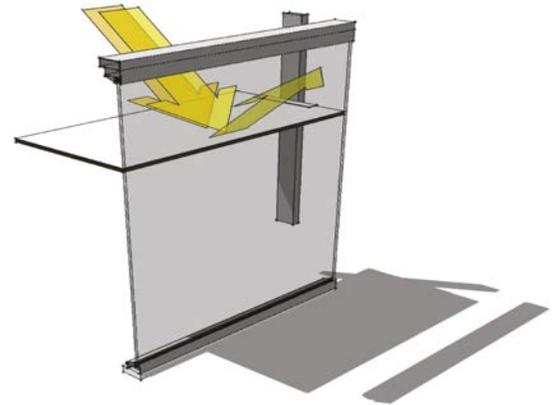
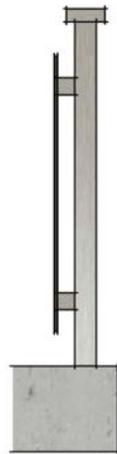
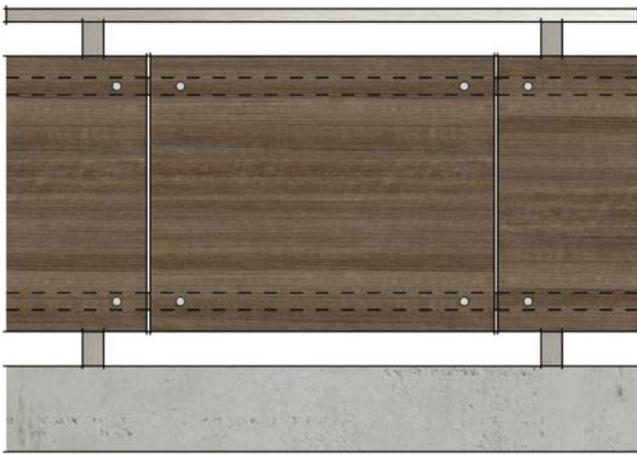


○ Urban Concrete 3124



● Birds Maple 1514

Other Applications



RAILS AND CLOSURES

PANELEX is ideal for solid enclosures and balconies. The panels can be installed on any type of grid or special accessories designed for that purpose. They can be installed through any of the cleats, always following technical recommendations. For this application we recommend using panels of thickness greater than or equal to 10 mm.

LIGHT CONTROL

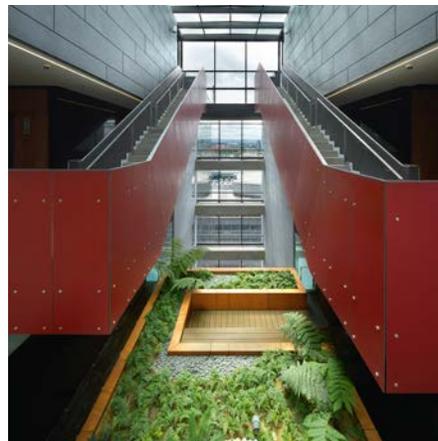
PANELEX is an opaque material that blocks and channels light through reflection to control indoor's luminance and amount of energy that enters through windows or skylights. These properties keep a pleasant environment with stable temperatures and reduce energy consumption of mechanical conditioning systems.



VENTILATED CLADDING

PANELEX's panel composition and modulation is ideal for installation of ventilated facades, in which insulation or thermal regulations compliance is required. It acts as a floating skin of the building, creating a posterior chamber which can be installed.

1. Fixture
2. Vertical profile
3. Insulator
4. Panelex



PANELEX LINER

PANELEX is an excellent coating alternative when designing as it provides color, texture and outdoor protection. Additionally, it can be installed with concealed fixing systems or user perspective, depending on the designer's proposal. When developing internal linings, aluminum profiles can be replaced by galvanized or painted steel profiles. Stainless steel fittings may also be used.



FACADE GRILLES

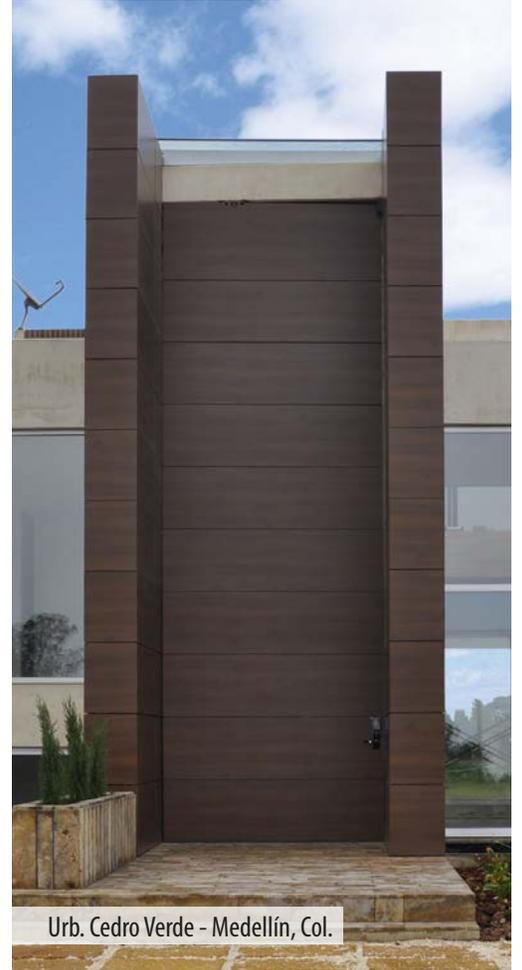
Thanks to its stability and versatility, PANELEX can be cut into linear modules and installed in all types of structures to form screen facades, providing excellent appearance.

Facade grilles are one of the tools used for sun protection, ventilation or as an aesthetic element. When installed separately from the building's structure, it also contributes with the thermal insulation of the building without damaging the visual aesthetics of it.

Applications



Alojamientos Federación Colombiana de Fútbol - Bogotá, Col.



Urb. Cedro Verde - Medellín, Col.



Oficinas Lamitech - Bogotá, Col.



C.C. Portal del Quindío - Armenia, Col.

PANELEX is a high pressure decorative laminate produced in Colombia by Lamitech S.A.S. Lamitech products are GREENGUARD certified which ensures that they are designed to be in direct contact with the user, free of noxious particles and gas emissions.

PANELEX is environmentally friendly by using wood fibers, a highly renewable material extracted from cultivated forests and with FSC® sustainable development (Forest Stewardship Council®) regulations.

PANELEX could contribute to obtain points in LEED™ projects. For further information about installation, storage and maintenance, please visit www.panelex.com.co



* Please ask for our certified references.

The mark of responsible forestry

FSC® C116247

www.panelex.com.co

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