

MARIUS AURENTI



CONCLAD CONCRETE PANEL

Ready-to-install panels

The Conclad concrete panel is an innovative material designed for interior design projects. With an aesthetic appearance similar to poured concrete, they offer a practical and elegant solution for architects, millworkers, and interior designers. Easy to install, Conclad requires no special tools, allowing any professional or installer to create a beautiful and durable surface quickly and efficiently.

Conclad stands out for its large formats, particularly suited to hotels, shops, and private residences. These panels are designed to provide an authentic concrete look while simplifying installation, thanks to their unparalleled lightness and ease of cutting.

AREAS OF USE

- Hospitality: Create a contemporary and sophisticated atmosphere in reception areas or guest rooms.
- Retail: Add an industrial touch to retail spaces with large-format concrete panels.
- Residential: Suitable for use in living rooms, kitchens (excluding wet areas) for a unique concrete finish.

COMPOSITION

The Conclad panel is composed of carefully selected natural and mineral fibers to guarantee high strength and an authentic concrete look. The surface is pigmented using water-based pigments, providing a uniform and long-lasting finish. This material is biocompatible, contains no harmful substances, and is designed to minimize environmental impact.

CONCLAD FORMATS

WITH FORMWORK HOLES (Chamfered Edges)

- 600 x 600 x 12 mm
- 600 x 1200 x 12 mm
- 1200 x 1200 x 12 mm
- 1200 x 2400 x 12 mm

RAW CONCLAD FORMATS (Straight edges)

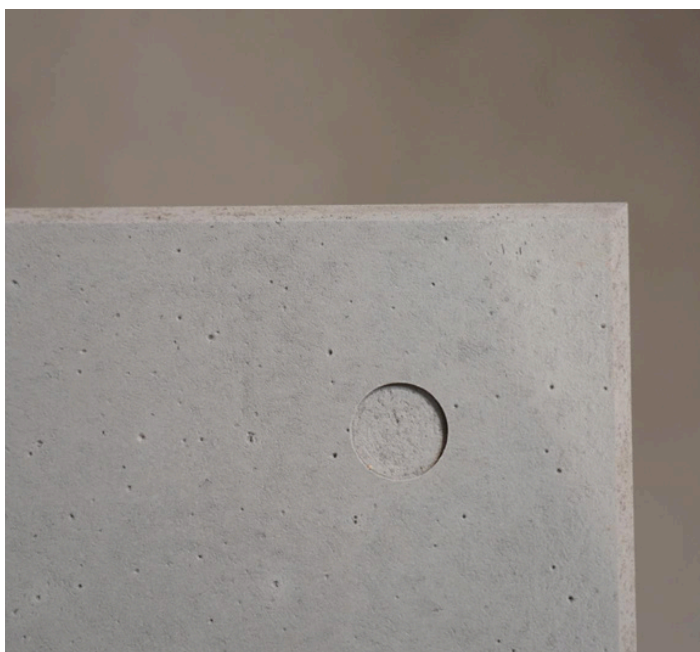
- 1250 x 2540 x 12 mm
- 1250 x 3000 x 17 mm

COLORS

- Paris Grey
- Moon Grey

PACKAGING

- Minimum order: 20 panels per item



HANDLING PRECAUTIONS

Always carry the panels by their edges to prevent bending and cracking.

Avoid hitting the edges and corners of the panel.

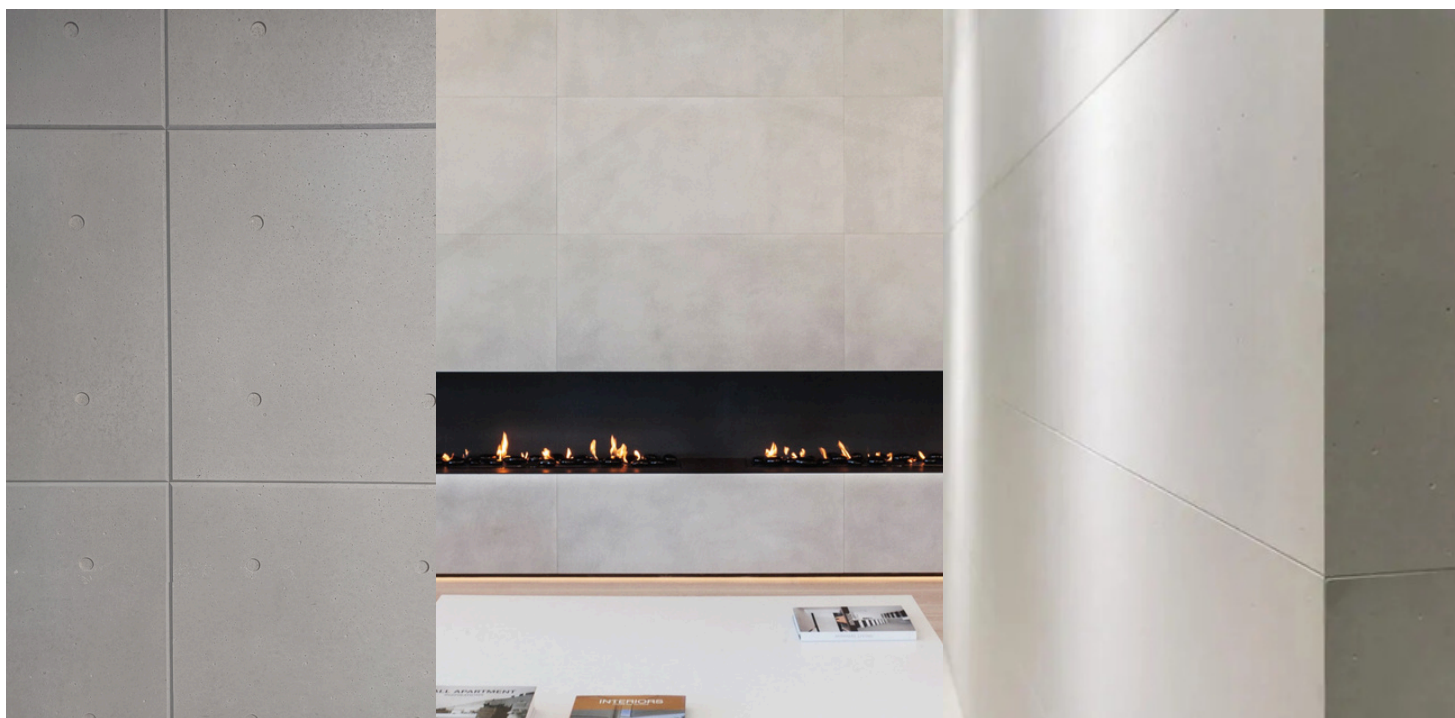
Wear protective gloves and goggles when handling and cutting.

STORAGE

Store the panels in their original packaging. Edge, corner, or surface protectors must be kept in place until the panels are installed.

Conclad panels must be stored horizontally to avoid any deformation.

Store in a clean, dry, temperate place, protected from moisture, rising damp and direct sunlight. Place the panels at the installation site at least 48 hours before use, at 15°C and 40–65% relative humidity.



The new or old surfaces will be sanded and then mechanically vacuumed.

The substrates must be sound, clean, without cracks, cohesive (superficial scraping with a metallic object must not cause dust, grain, or flakes; tensile strength perpendicular > 0.5 MPa in the general case), dry, flat (deflection less than 5 mm under a 2-meter straightedge and 1 mm under a 20 cm straightedge), normally porous (between 1 and 5 minutes in the water drop test), clean (in particular free from grease, dust, and any non-adherent part), according to the applicable DTU standards.

INTERIOR WALLS:

- Non-waterproofed plasterboard (cardboard facing) and water-repellent plasterboard panels
- Existing painted surfaces, previously sanded and dust-free
- Gypsum block partitions
- Walls constructed from bare cellular concrete blocks
- Gypsum plaster on masonry walls and partitions
- Cement-based coatings on concrete walls or masonry walls and partitions
- Concrete walls or prefabricated concrete panels. Other substrates: wood, metal and other resistant materials.



APPLICATION CONDITIONS

ROOM TEMPERATURE	>+ 5°C and <35°C
MOISTURE CONTENT OF THE SUBSTRATE	4% maximum

IMPLEMENTATION EQUIPMENT

Easy to work with using the same woodworking equipment: shaping, drilling, milling, pantograph and laser engraving, etc.

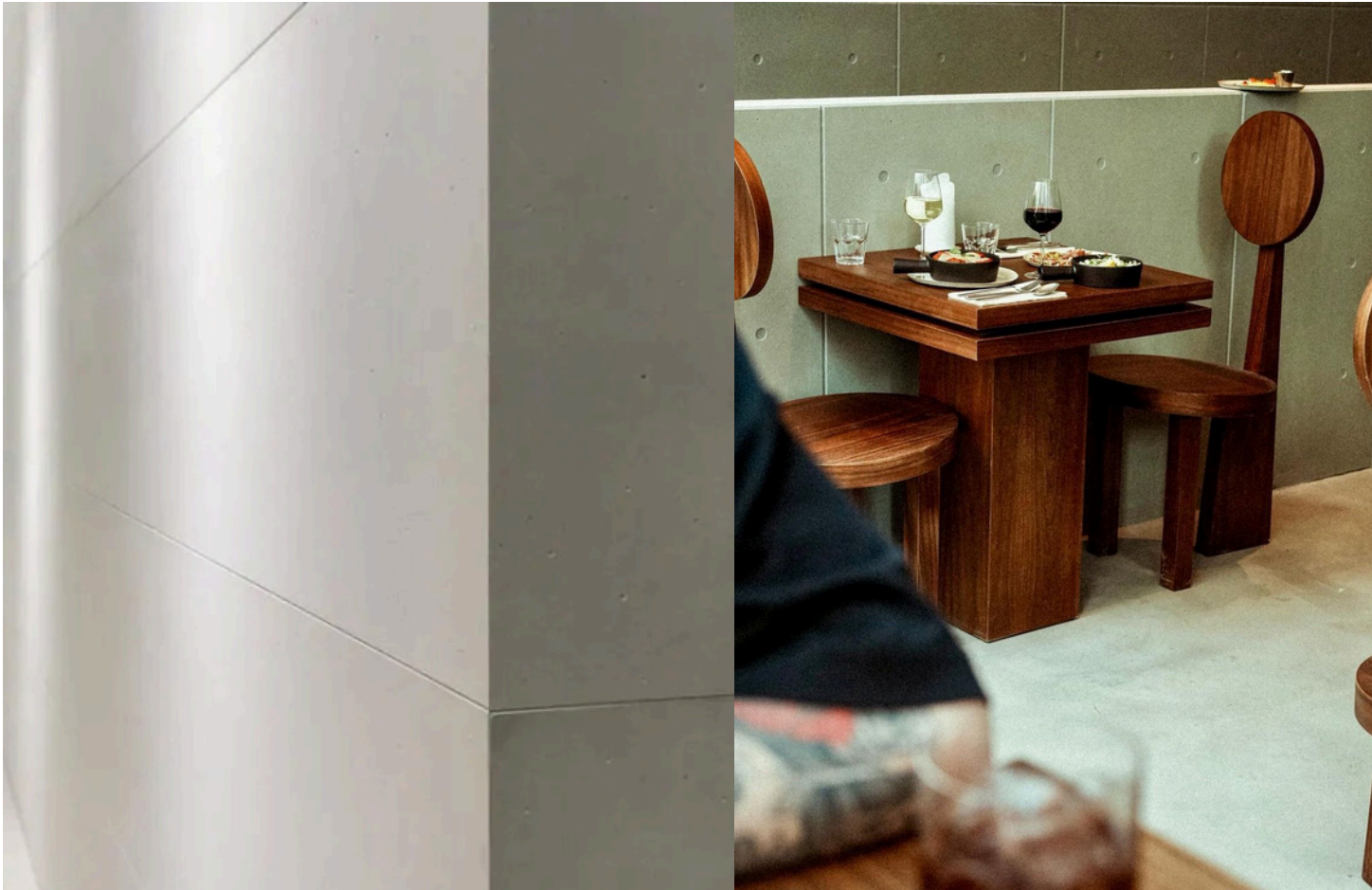
Installation tools: cartridge-applied adhesive sealant and leveling spacers to facilitate the adjustment of the flatness of the finished work.

BONDING

Conclad panels are installed by direct bonding to wall surfaces using adhesives specifically designed for mineral panels. This method is quick and ensures a strong and durable bond.

MECHANICAL FASTENING

For high-wall or ceiling applications, the panels can be screwed onto a support structure. This ensures secure installation and the necessary stability, particularly in commercial or public environments.



Flexural strength (NF EN 14190-2014)	4.5 N/mm ²
Density	1,000–1,225 kg/m ³
Flexural strength after drying at 40°C (NF EN 14190-2014)	> 5.8 N/mm ²
Water vapor diffusion resistance (NF EN 14190-2014)	μ = 21
Thermal conductivity (NF EN 14190-2014)	λ ≤ 0.30 W/mK
Reaction to fire (NF EN 14190-2014)	A2-s1,d0 (C.3)
Core hardness (NF EN 14190-2014)	approx. 750 N
Modulus of elasticity (NF EN 14190-2014)	3900 N/mm ²

Avoid contact with aggressive chemicals such as acids, alkalis, vinegar, paint removers, bleach, solvents, and hand sanitizer... In case of contact with staining agents, immediately remove the staining substance by trying to absorb it with a soft cloth, avoiding rubbing the surface, to prevent or limit damage to the surface protection damaged by chemical agents.

Use a soft, slightly damp cloth to remove dust.

For applications particularly exposed to dirt, Conclad panels can be treated with a surface protection coating that provides greater resistance to both stain penetration and abrasion caused by cleaning. (Consult our technical team to tailor the Conclad panel surface protection to your project.)



MARIUS AURENTI

For 40 years, Marius Aurenti has been innovating to improve the performance of decorative materials and the sensations they provide.

A mineral and plant aesthetic, close to Nature, to which our works pay homage and for which our environmental commitment is total.

MA's is also present, through its training and support, alongside quality French craftsmanship which, every day in our workshops as well as in the field, strives to make each place unique, beautiful and timeless.



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