

Materials

DESCRIPTION & CHARACTERISTICS



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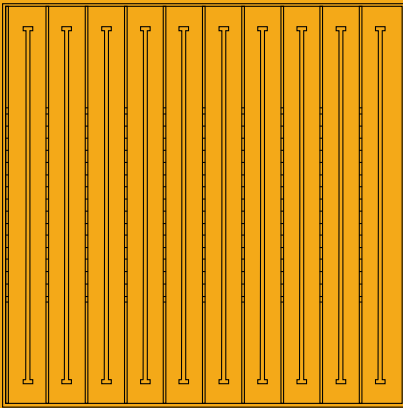




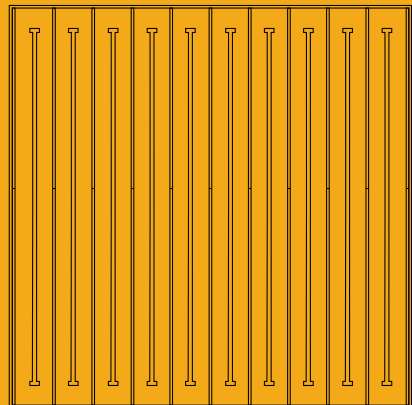
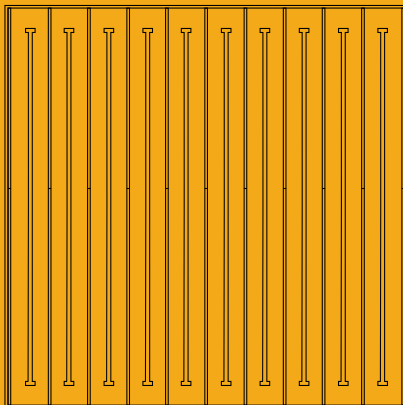
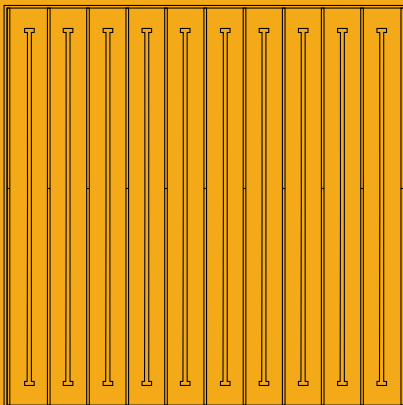
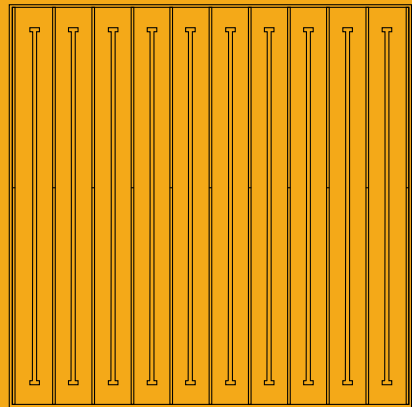
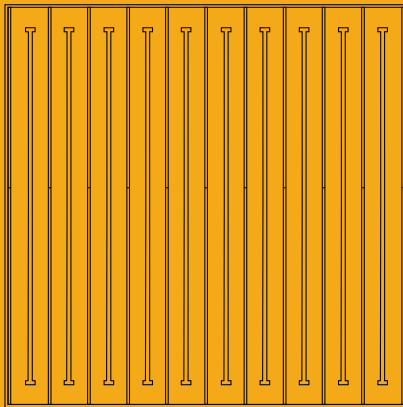
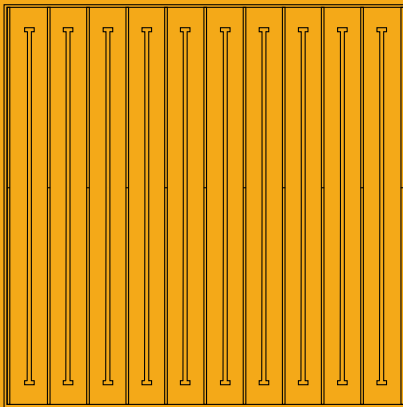
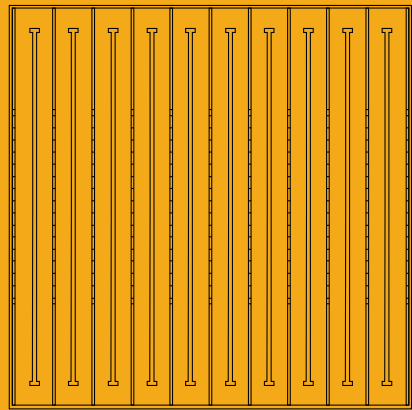
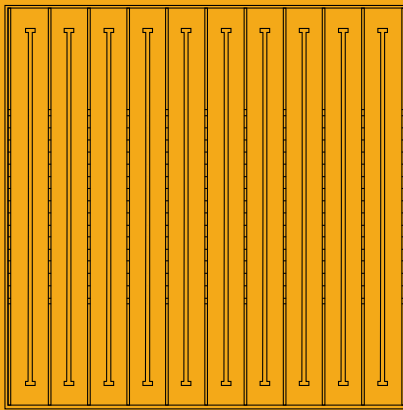
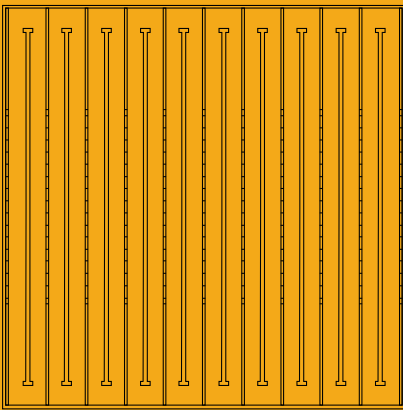
Infinity the engineered surfaces is an ultra- compact material made of 100% natural raw materials and minerals. They are the same essential elements contained in granite, which, when sintered at a temperature of 1230°C, create a new, compact material with unrivalled technical performance. We seek, select and extract the finest raw materials from controlled, certified quarries. We guarantee long-lasting products, free from adhesives and resins.

Our slabs are manufactured in sizes of up to 1620×3240 mm, and are conceived for thicknesses of 6, 12 and 20 mm, for all kinds of requirements.





**INFINITY PRODUCTION PLANT
IS CAPABLE OF PRODUCING UP
TO 12.000 SQUARE METERS
A DAY. THE SAME SURFACE
AREA OF 10 OLYMPIC-SIZE
SWIMMING POOLS**



Production process

The first step of our production process is selecting the right raw materials that we keep stocked up in our raw material warehouses

SELECTION OF RAW MATERIALS



SAND



KAOLIN



FELDSPARS



QUARTZ



CLAY



NATURAL
COLOURING
OXIDES

SLAB BODY PREPARATION

**MINERAL SLURRY (MIX OF RAW MATERIAL)
+ 30% WATER**

GRINDING (CONTINUOUS MILL) SIEVE \leq 100 MICRON

ATOMISATION INTERNAL TEMPERATURE : 600°

DISTRIBUTION OF MATERIAL ON CONVEYOR BELTS

POWER NATURAL PRESSING (450KG/CM²)

DRYING PROCESS / 5% HUMIDITY

DECORATION

FIRING 1280° (CUTTING-EDGE FIRING SYSTEM)

POLISHING/MESHING/CUTTING (OPTIONAL)

CHOICE MADE BY COMPUTER AND HUMAN EYES

PACKAGING

SHIPPING

**MATERIALS DESCRIPTION
& CHARACTERISTICS**



Product features and major tests



HIGH QUALITY
RAW MATERIALS



VERSATILE FOR
ANY PROJECT



NON-
ABSORBENT



RESISTANT TO
LIQUID AND
ACIDS AGENTS



HEAT
RESISTANT



NON-TOXIC
SHEETS
AND WITHOUT



HIGHLY
HYGIENIC
SURFACE



NO CHROMATIC
ALTERATION



RESISTANT TO
HEAVY LOADS



EASY TO CLEAN



FROST
RESISTANT



SURFACE
CERTIFIED FOR
CONTACT WITH
FOOD



TEAR AND
SCRATCH
RESISTANT





FIRE REACTION

UNI CEI ISO 13943: 2004

A1 (with mesh) A2 s1 d0 (without mesh)

Reaction to fire is the behavior of a material that contributes, through its decomposition, to the fire to which it is subjected.

The reaction of a material to fire is a complex phenomenon, depending on various parameters. The main ones are:

- 1) flammability**, the ability of a material exposed to a heat source to enter and remain in a state of combustion with the emission of flames; flame propagation rate, understood as the speed with which the flame front expands in the material;
- 2) dripping**, the emission of burning droplets or particles during or following exposure to a heat source;
- afterglow, the presence of glowing areas after the flame has been extinguished;
- 3) heat development**, the amount of heat emitted in the unit of time by a burning material;
- 4) smoke production**, the ability of a material to spread a visible set of solid or liquid particles in suspension in the air;
- 5) formation of harmful substances**, emission of gases or vapours





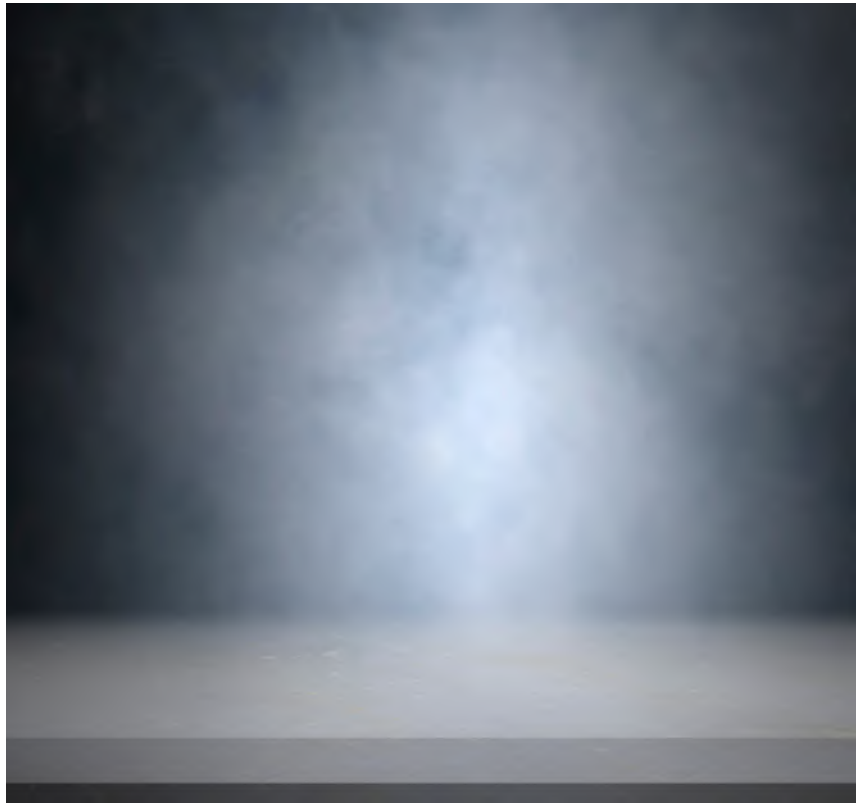
THERMAL SHOCK

EN ISO 10545-9

Thermal shock is a state of internal stress in a material caused by abrupt thermal changes that can cause the material to be damaged or even break.

The test is carried out by heating the material to 145°C and then immediately dipped in water at 15°C for 10 times, at the end it should show no visible damage





ULTRAVIOLET RESISTANT

DIN51094

Ultraviolet resistance is defined as the ability of a material to resist UV radiation or sunlight, which can have a strong impact on the appearance and mechanical properties of materials.

A UV-resistant material will not show changes in appearance such as:

Yellowing

Discolouration

Bleaching of the surface with stress crack formation

Streaking

Nor will changes in mechanical properties such as:

Embrittlement

Deformations

The test is performed by subjecting the material to a UV lamp for 28 consecutive days; to pass the test, the slab must not show any alteration in appearance from the beginning of the test





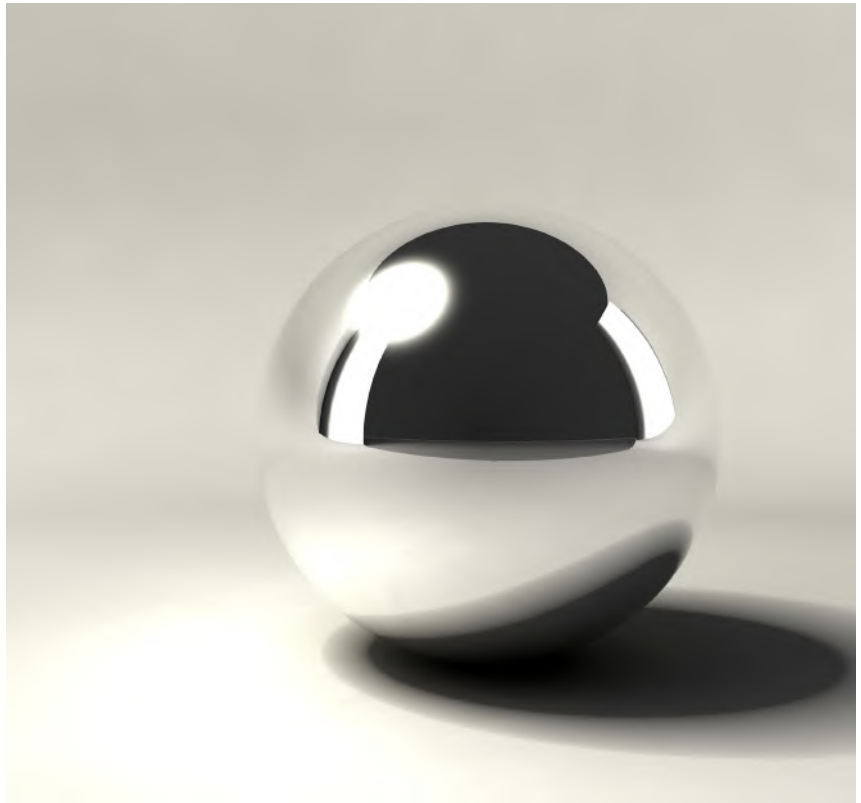
THERMAL LINEAR EXPANSION

EN ISO 10545-8

Thermal linear expansion is a physical phenomenon that occurs when a body increases in volume with increasing temperature. The test, will help understanding how much the the slab installed (indoor or outdoor) can change shape and dimension depending on the temperature of the environment.

The Test is performed by placing the sample in a room-temperature environment, the temperature gets increased up to 100°C, the sample dimensions will be then measured checking how the product changes as the temperature changes





IMPACT RESISTANCE

EN ISO 10545-5

Impact resistance shows the material's ability to absorb energy before breaking under dynamic stress.

The test is performed by dropping a 19mm steel ball on the material from a predetermined height, the height of the rebound (coefficient of restitution) is measured and checked that the slab has not been damaged; if the slab broke it would absorb ball impact and the ball would not rebound.





ABRASION RESISTANCE

EN ISO 10545-6

Abrasion resistance represents the strength that the surface opposes to the wear actions associated with the movement of bodies, surfaces or materials in contact with it.

The slab is placed vertically with touching a rotating disk and an abrasive powder is continuously fed between the disk and the plate. At the end of the test, the volume of abraded product is assessed. In order to be considered "Abrasion resistant" the volume of abraded surface must be less than 175mm^3





RESISTANCE TO CHEMICALS

EN ISO 10545-13

Chemical resistance is the ability of a material to resist destructive processes caused by the reaction between environment and surface.

For the test to which the product is subjected, are used not only acids but also bases, pool salts, etc...

The substances used in the standard at both high and low concentration are left to act for a duration of 24 and 96 hours, at the end of the test any damage on the surface is assessed.





WATER ABSORPTION

EN ISO 10545-3 $\leq 0,5\%$

Absorption is a physical phenomenon consisting of the penetration of a substance in an aeriform state into a solid or liquid body, or the penetration of a substance in a liquid state into a solid.

The standard requires the tiles to be weighed and placed in a machine that creates a vacuum, after this process they are submerged for a defined time. At the end of the cycle, the tiles are weighed again: the percentage difference between dry and wet weight, represents the water absorption.



Technical characteristic

STANDARD EN 14411-G

TECHNICAL CHARACTERISTIC	STANDARDS	INTERNATIONAL STANDARDS EN 14411 - G	*EVERAGE
SIZE CHARACTERISTICS			
Sides	EN ISO 10545-2	± 0,3% MAX (± 1,0 mm MAX)	COMPLYING
Thickness	EN ISO 10545-2	± 5,0% MAX (± 0,5 mm MAX)	COMPLYING
Straightness of sides	EN ISO 10545-2	± 0,3% MAX (± 0,8 mm MAX)	COMPLYING
Rectangularity	EN ISO 10545-2	± 0,3% MAX (± 1,5 mm MAX)	COMPLYING
Surface flatness	EN ISO 10545-2	± 0,4% MAX (± 1,8 mm MAX)	-
Water absorption	EN ISO 10545-3	≤ 0,5%	≤ 0,05%
Flexion resistance	EN ISO 10545-4	S ≥ 700 N (< 7,5 mm) S ≥ 1300 N (> 7,5 mm) R ≥ 35 N/mm ²	6mm S ≥ 900 N R ≥ 35 N/mm ² 12 mm S ≥ 3500 N R ≥ 40 N/mm ² 20 mm S ≥ 10000 N R ≥ 40 N/mm ²
Impact resistance	EN ISO 10545-5	DECLARED VALUE	> 0,85
Abrasion resistance	EN ISO 10545-6	≤ 175 mm ³	< 145 mm ³
Coefficient of linear thermal-expansion	EN ISO 10545-8	-	> 6x10 ⁻⁶ C ⁻¹
Resistance to thermal shocks	EN ISO 10545-9	PASS ACCORDING EN ISO 10545-1	NO DAMAGE
Frost resistance	EN ISO 10545-12	PASS ACCORDING EN ISO 10545-1	NO DAMAGE
Resistance to chemicals	EN ISO 10545-13	UB MIN.	MATT A LA HA SATIN A LA HA POLISHED A LC HC
Resistance to stains	EN ISO 10545-14	DECLARED VALUE	5
Lead and cadmium discharge	EN ISO 10545-15	DECLARED VALUE	< THAN INSTRUMENT LIMIT
Skid resistance	DIN 51130	-	MATT R9 SATIN - POLISHED -
Fire Resistance	UNI CEI ISO 13943: 2004	-	WITH MESH A1 WITHOUT MESH A2 S1 D0



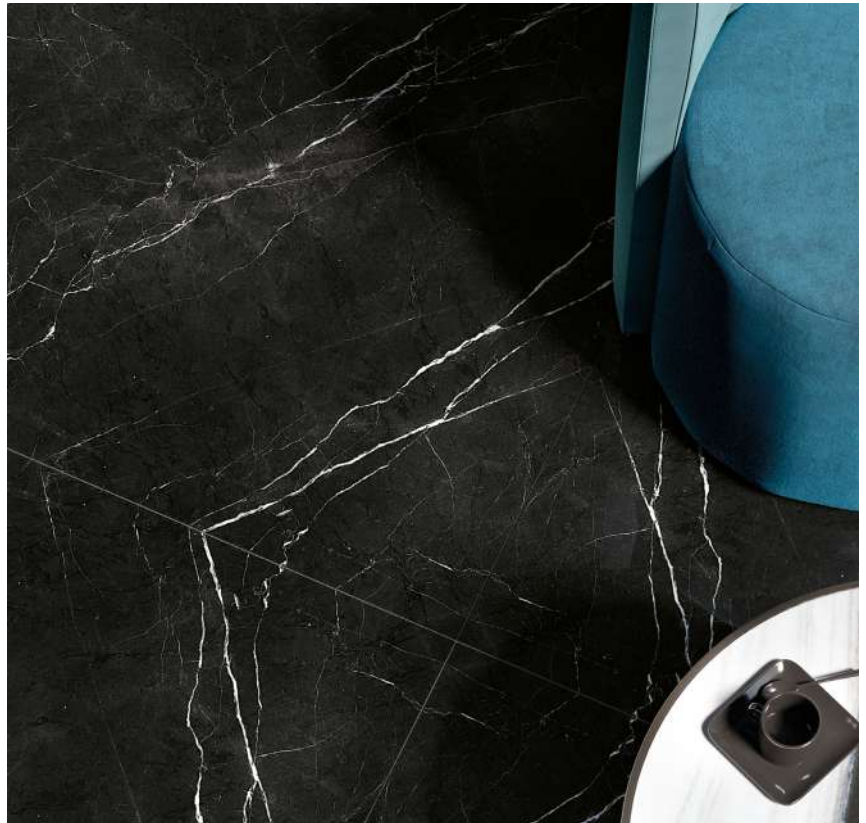
Applications



**PORCELAIN SLABS,
WHICH ARE THE LATEST
EVOLUTION OF A
MATERIAL THAT HAS
ALREADY BEEN PROVEN
FOR DECADES, ARE A
VIABLE OPTION FOR
DIFFERENT TYPES OF
APPLICATIONS
SUCH AS...**



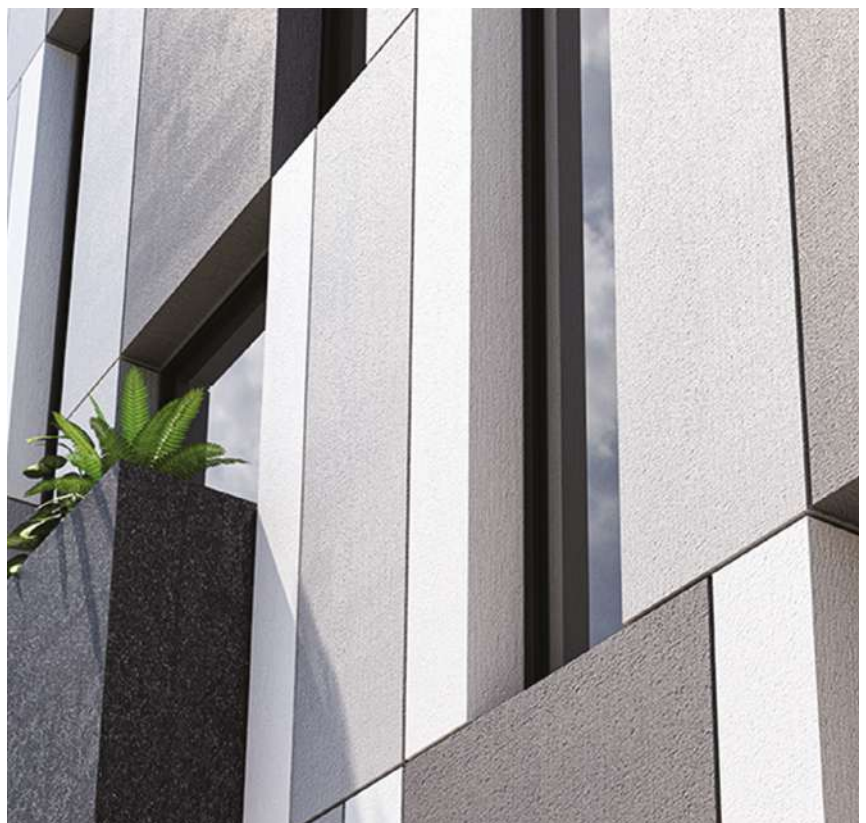
Indoor floors and walls



APPLICATIONS



Outdoor floors and walls



APPLICATIONS



Furniture



APPLICATIONS



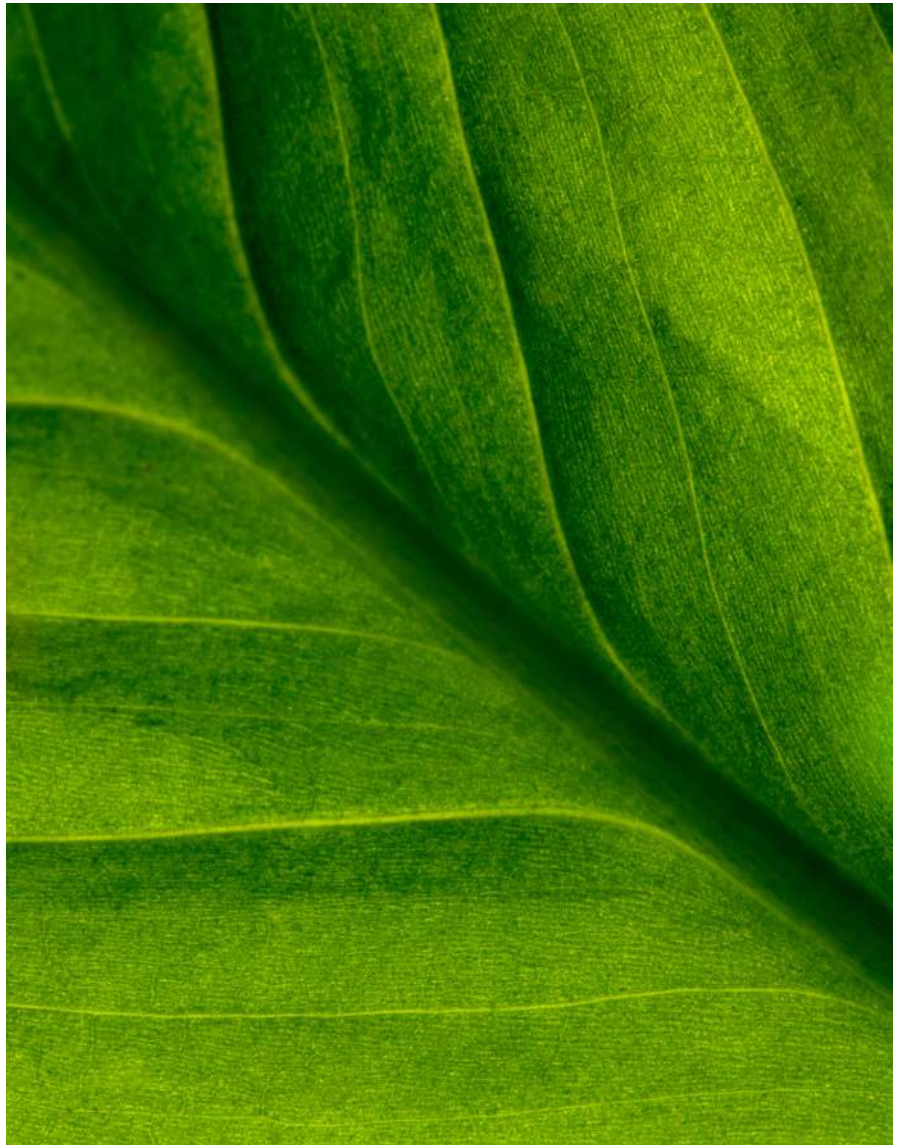
Technical applications such as ventilated facades and raised floors





Our environmental commitment





Infinity has been committed for years now to reducing environmental impact and making its products safer. This is not enough, however, and safeguarding the planet and its people requires an effort from all of us. It's in our daily actions, both as individuals and as businesses, that each of us can adopt a responsible approach to our own health and the health of the environment.



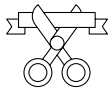
As production increases, environmental impact decreases.

To continue to limit the impact of our production process, every year Infinity reduces the amount of waste, thanks to increasingly virtuous production systems and continual investments in technological.



70 %

Electricity consumption covered thanks to the cogeneration plant.



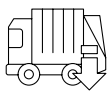
10 | 2019

Inauguration of a second cogeneration plant.



- 1.648

Tonnes of waste in the last two years.



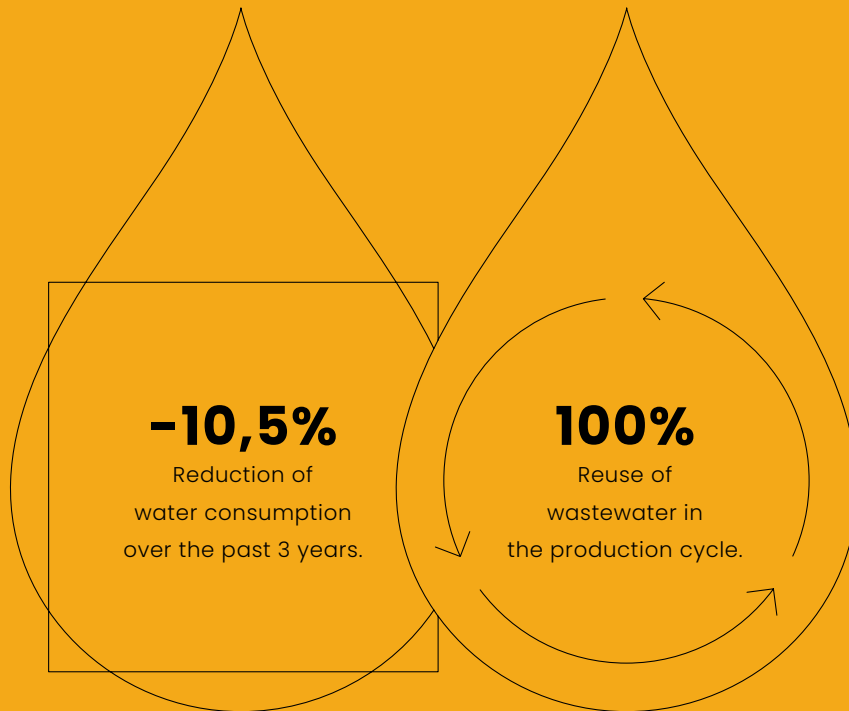
-15,9%

Reduction of waste in the last two years.

Water consumption

WATER UNDER THE BRIDGE AND RECYCLED.

Water is a necessary resource for the production of ceramics, but it is also a primary asset that must be managed responsibly. Infinity is at the forefront of investment in this field, and in 2021 an artificial reservoir was built to reduce water consumption.



PACKAGING

Infinity investment is not only intended to reduce the environmental impact of its production cycle, but numerous investments have been made so that more recycled materials are also used at the packaging stage:



PAPER 1592 Tons Of exclusively recycled paper thus contributing to saving a forest of 4000 trees every year.



PLASTIC 386 tons Of recycled plastic: this is what we use for our packaging, with benefits comparable to the removal of about 350 cars from the roads.



WOOD Only FSC Our packaging: only wood from FSC certified, responsibly managed forests.

RAW MATERIAL RECYCLING



Recycling every time, starting in-house. We recover 98% of raw waste and recycle it in the production process. But this is not enough. Raw materials are the first step towards responsible production.

The raw materials used by Infinity come from certified quarries and sources, in which materials are extracted in compliance with environmental regulations and always far from polluted or dangerous areas.

32%

Increase in the use of raw waste recycled in the production process in the last three years

8%

Average percentage of recycled material in an Infinity slab.

98,6%

Raw waste and recycle it in the production process.



Infinity Surfaces. Health and safety, with no compromises.



Choosing Infinity products doesn't just mean choosing the outstanding beauty and style of the finest Italian ceramics. It also means choosing safe, healthy products, free from dangerous and polluting substances.

Infinity porcelain stoneware is by nature an inhospitable environment for the growth and spread of bacteria, mould, fungi and any type of allergens. What's more, Infinity surfaces are free from the dangerous substances sometimes present on ceramic products of lower quality or made with alternative materials.



WHAT WON'T YOU FIND IN INFINITY RAW MATERIALS?

**RN**

Radon (Rn) is a radioactive noble gas released by natural stone. It is very heavy and dangerous to human health. One of the main risk factors of radon is linked to the fact that it tends to build up in homes once released.

VOC

VOC (such as hydrocarbons, benzene, acetone) are organic compounds sometimes used in varnishes, colourants and synthetic industrial compounds in low-end products. They are particularly dangerous to the respiratory and nervous systems.

CH₂O

Formaldehyde (CH₂O) is a substance contained in resins used for the production of plastic laminates, adhesives and insulating foam. It can irritate the mucosae and the eyes, and interferes with the bonds between DNA and proteins, which can ultimately cause cancer.

PB

Lead (Pb) is a natural metal often used in colourants for furnishings. It is a poisonous neurotoxin that tends to build up in the body, especially in the bones and blood of children, causing irreparable damage to the brain and the central nervous system.

ZrSiO₄

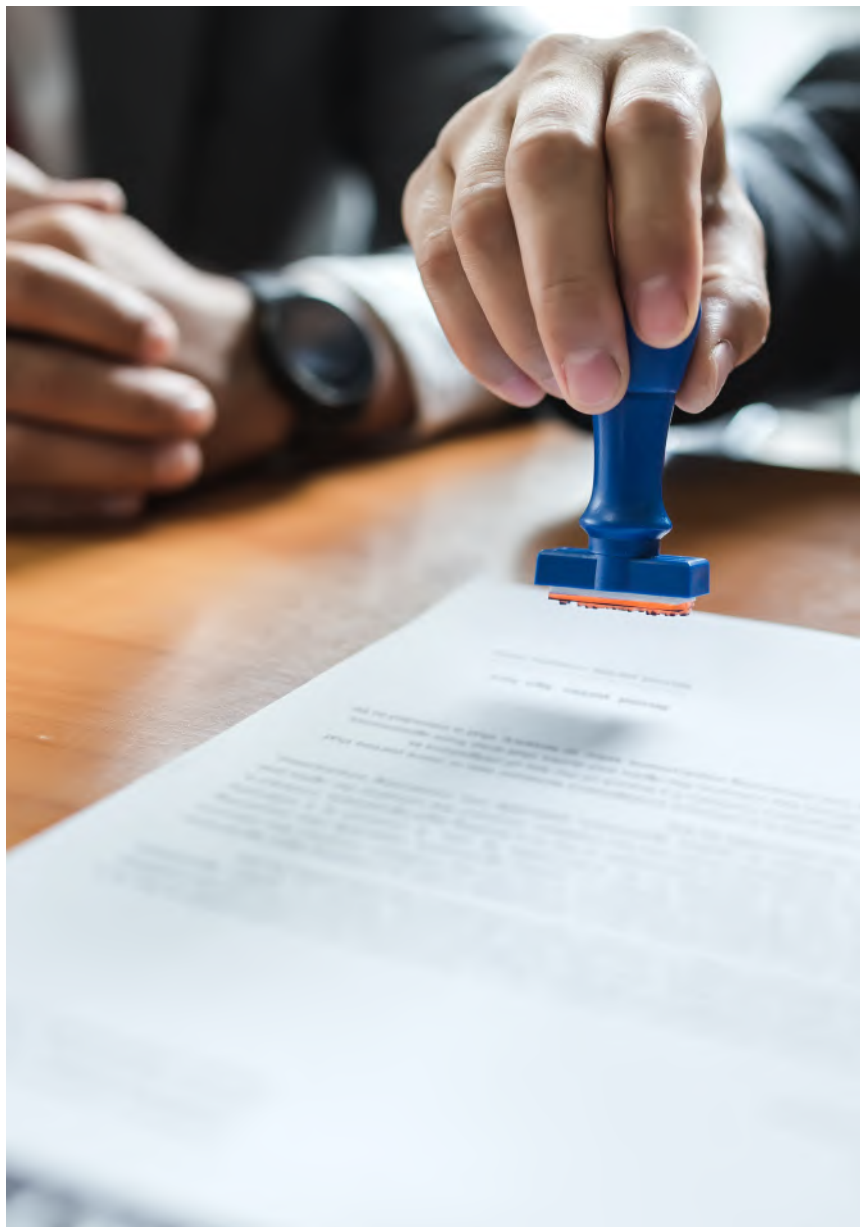
Zirconium silicate is a mineral extract used in industry for surface finishes and varnishes. Although it is very dangerous for the respiratory system, and above all for the nervous system, it continues to be widely used in some sectors (including the ceramics industry).

BBP

Benzyl butyl phthalate (BBP) is a phthalate that in Europe is listed as a substance of extreme concern. It can cause endocrine decompensation, sterility and cancer.



Product certification





INFINITY™
The engineered surface.

**GRÈS PORCELAIN STONWARE
ISO 14021 DECLARATION**

Company

Infinity is launched with the mission to create a new generation of porcelain stoneware slabs that are the perfect synthesis between aesthetics and functionality.

All Infinity products have structural, aesthetic and functional features that make them a unique option for furnishings, as well as indoor and outdoor floor and wall Infinity coverings

Infinity collections are resistant to wear and tear and scratches and are easy to clean. As the years pass, they show none of the unsightly wear usually experienced with resins or other natural materials and are not affected by heat or acids

Infinity specializes in the production of large-size porcelain slabs, measuring up to 1620x3240 mm, with thickness options including 6 mm, 12 mm and 20 mm

Infinity large-size porcelain stoneware is the ideal solution for floor and wall application, and can be used to create striking furniture or as external cladding in adhesive wall tiling systems or curtain walls. All the Infinity products are made entirely in Italy.

Product

The product covered by this declaration is the grès porcelain stoneware produced by Infinity (a division of Mirage Granito Ceramico) in his plant in Italy, in standard and thicker versions.

The reference period is: year 2017.

	Grès Porcelain Stoneware Standard	Grès Porcelain Stoneware Thicker
Functional Unit	1 m ²	1m ²
Average Thickness	10 mm	20 mm
Average Weight	20,58 kg/m ²	45,72 kg/m ²
Expected Lifetime	50 years	50 years
NACE CODE	C 23.3.1 - Manufacture of ceramic tiles and flags	

Environmental self-declaration verified by the certification body DNV GL Business Assurance Italia S.r.l. (www.dnvgl.com), Date of Approval: June, 14, 2018; Revision: 00
Based on ISO 14021:2016 "Environmental labels and declarations - Self-declared environmental claims (Type II environmental labelling)"



Relevant Environ
l'affidamento c
ristrutturazione
rivestimenti

Relevant Impact ca

Water consumption

Emissions to water

Emissions to air – p
matter (firing stage

Emissions to air – H
stage) (*) (**)

Emissions to air – p
matter (total cold
emissions)(*)

Waste management
waste recovered

(*) frequency of test
further modification
(**) test method ad

Reference:
COMMISSION DECISI
eco-label to hard cov
(2009/607/EC)

For more detailed inf

Environmental self-dec
Date of Approval: June
Based on ISO 14021:
environmental labellin

ISO 14021

The standard provides guidance to be followed in preparing environmental-themed statements, including some guidance for evaluation.

Referring to it allows for statements that are as uniform and comparable as possible. There is not exactly one country for which it is specifically intended, but perhaps the greatest use is for CAM (minimum environmental criteria in Italy. You are not ISO 14021 certified but you prepare a statement by referring to it.

**PRODUCT
CERTIFICATION**





INFINITY™
The engineered surface.

GRÈS PORCELAIN STONEWARE
ISO 14021 DECLARATION

Relevant Environmental Impacts in accordance with "Criteri ambientali minimi per l'affidamento di servizi di progettazione e lavori per la nuova costruzione, ristrutturazione e manutenzione di edifici pubblici." 2.4.2.10 Pavimenti e rivestimenti

Relevant Impact categories	u.m.	requirement	performance
Water consumption and use	(litres/kg of product)	Max 1	Compliant / in conformity
Emissions to water	(mg/lit of pollutant substances)	Suspended solid emission to water: max 40 Cd emission to water: max 0,015 Cr emission to water: max 0,15 Fe emission to water: max 1,5 Pb emission to water: max 0,15	Not Applicable
Emissions to air – particulate matter (firing stage) (*)	mg/m ³	200	Compliant / in conformity
Emissions to air – HF (firing stage) (*) (**)	mg/m ³	200	Compliant / in conformity
Emissions to air – particulate matter (total cold emissions)(*)	mg/m ³	5000	Compliant / in conformity
Waste management - % of waste recovered	%	85% min	Compliant / in conformity

(*) frequency of test as defined by AIA – Integrated Environmental Authorization dated 20/01/2015 and further modifications

(**) test method adopted: DM 25/08/1980, annex 1 & annex 2, as defined by Italian legislation.

Reference:

COMMISSION DECISION of 9 July 2009 establishing the ecological criteria for the award of the Community eco-label to hard coverings (Notified under document C(2009) 5613) (Text with EEA relevance) (2009/607/EC)


For more detailed information on this declaration, please contact Davide Carra - d.carra@gruppoconcorde.it.


Environmental self-declaration verified by the certification body DNV GL Business Assurance Italia S.r.l. (www.dnvgl.com), Date of Approval: June, 14, 2018; Revision: 00


Based on ISO 14021:2016 "Environmental labels and declarations - Self-declared environmental claims (Type II environmental labelling)"












ENVIRONMENTAL PRODUCT DECLARATION

<p>Product name:</p> <p>Porcelain stoneware</p> <p>Ceramic tiles and slabs</p>	<p>Site Plant:</p> <p>Via Giardini Nord, 225</p> <p>41026, Pavullo nel Frignano (MO), Italia</p>
<p>in compliance with ISO 14025 and EN 15804</p>	
Program Operator	EPDItaly
Publisher	EPDItaly
Declaration Number	EPD-02-MIR
EPDItaly Registration Number	EPDITALY0033
ECO EPD Registration Number	00000758
Issue Date	29/09/2021
Valid to	01/09/2023



Environmental product declaration - Mirage Granito Ceramico S.p.A. - Ceramic tiles and slabs

EPD

It is a LCA (life cycle assessment) type of certification.

A defined material life period is examined, typically, "cradle to grave" (from raw materials to final disposal) and with appropriate systems it is assessed how much during this period a material impacts the environment in terms of emissions and general environmental impact;

Where? It can be requested anywhere in the world.





SEZIONE 1

Owner of the programme

EPDItaly



Declaration number

EPD-02-MIR

Audit

Independent audit of EPD and the data contained therein conducted in accordance with standard ISO 14025

indoor outdoor

Performed by ICMQ S.p.A. – Via de Castilla, 10 – 20124 Milan (www.icmq.it)

Comparability

Environmental product declarations published within the same category of products but which come from different programmes, might not be comparable. In particular, EPDs for construction products may be incomparable

Owner of the declaration

Mirage Granito Ceramico S.p.A

Via Giardini Nord, 225
41026 Pavullo nel Frignano (MO), Italy

Data di emissione 01.09.2018

Valida fino al 01.09.2023

Field of application

This document refers to an average product under the definition of 'ceramic tiles and slabs', manufactured at Mirage Granito Ceramico S.p.A – Via Giardini Nord, 225 - 41026 Pavullo nel Frignano (MO), Italy.

Liability

Mirage Granito Ceramico S.p.A. releases EPDItaly from any failure to comply with the environmental legislation declared by the manufacturer itself.

The holder of the declaration will be liable for the information and supporting evidence provided; EPDItaly declines any liability relating to the information of the manufacturer, to the data and results of the life-cycle assessment.





中国国家强制性产品认证证书附表

证书编号: 2018112102001089
 企业名称: INFINITY
 工厂代码: K000115

变更号: 1
 变更日期: 2019年11月01日
 颁发日期: 2018年09月19日
 本附表共1页第1页

本附表与证书同时使用方为有效,有效期至2023年09月18日。

放射性水平为A类瓷质砖产品系列明细

加工场所: Via Giardini Nord, 225 41026 Pavullo (Mo) Italy

序号	类别	系列
1	MB (Marble Effect)	MB# 系列
2	SE (Stone Effect)	SE# 系列
3	WD (Wood Effect)	WD# 系列
4	CE (Concrete Effect)	CE# 系列
5	ME (Metal Effect)	ME# 系列
6	RE (Resin Effect)	RE# 系列
7	SC (Solid Color)	SC# 系列
8	MA (Materia Effect)	MA# 系列
9	ONICE	OC# 系列



中国认可
 产品
 PRODUCT
 CNAS C025-P

CNAS C025-P



中国·北京·海淀区三里河路11号 100831

网址: www.gj-c.cn

CCC

The radiation level of a material is assessed and must be below a certain level (our material has no problems but is tested every year)

Where? It is useful to export any kind of material in China







MANAGEMENT SYSTEM CERTIFICATE

Certificato no./Certificate No.: 10000345400-MSC-ACCREDIA-ITA	Data prima emissione/Initial date: 20 novembre 2015	Validità:/Valid: 28 novembre 2018 - 28 novembre 2021
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Si certifica che il sistema di gestione di/This is to certify that the management system of



INFINITY™
The engineered surface.

INFINITY The engineered surface - a Division of Mirage

Via Bottegone, 83 - 41026 Pavullo (MO) - Italia

È conforme ai requisiti della norma per il Sistema di Gestione Qualità/
has been found to conform to the Quality Management System standard:

ISO 9001:2015

Questa certificazione è valida per il seguente campo applicativo: Commercializzazione di lastre in gres porcellanato (IAF 15)	This certificate is valid for the following scope: Marketing of porcelain stoneware slabs (IAF 15)
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Luogo e Data/Place and date:
Vimercate (MB), 01 aprile 2020





ISO 9001:2015
 ISO 14001:2015
 ISO 45001:2018
 SCR 9001:2015

Per l'Organismo di Certificazione/
For the Certification Body
DNV GL - Business Assurance
Via Energy Park, 14, - 20871
Vimercate (MB) - Italy



Zeno Beltrami
Management Representative

La validità del presente Certificato è subordinata al rispetto delle condizioni contenute nel Contratto di Certificazione/
 Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.
 DNV GL Business Assurance Italia S.r.l., Via Energy Park, 14 - 20871 Vimercate (MB) - Italy. TEL. +39 68 99 905. www.dnvgl.it


ISO 9001:2015

It is not a product certification but a process certification. It in fact provides a set of guidelines for quality management, so that all aspects (not only production) are monitored, controlled as much as possible and can aim for constant improvement in customer satisfaction.

Where? It has worldwide validity.








PRODUCT CERTIFICATE

Certificato No./Certificate No.: 10000371680-PA-DNV GL-ITA Rev. 0	Data prima emissione/Initial date: 09 giugno, 2020	Validità/Valid: 09 giugno, 2020 – 09 giugno, 2023
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Il presente Certificato è costituito da 8 pagine/This Certificate consists in 8 pages
 In conformità ai regolamenti di DNV GL per la Certificazione di prodotto è stato constatato che il prodotto/
 In compliance with DNV GL guidelines for the Certification of product, it has been stated that the product:

**piastrelle e lastre in gres porcellanato
porcelain stoneware ceramic tiles and slabs**

Realizzati da o per/Manufactured by or for:



INFINITY
The engineered surface.

INFINITY The engineered surface
a Division of Mirage Granito Ceramico

Via Bottegone, 83 - 41026 Pavullo (MO) - Italy

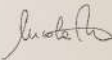
Sono stati valutati in conformità ai requisiti stabiliti dalle linee guida:
 Have been evaluated in conformity with requirements defined by:

**I contributi delle piastrelle di ceramica nel sistema LEED® V 4
Contributions from ceramic tiles to LEED® V 4 system**

emessa da/issued by **Confindustria Ceramica**

Questa certificazione è valida per i prodotti definiti nelle seguenti pagine	This certificate is valid for the products defined in the following pages.
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Place and date/ Luogo e Data: Vimercate, 09 giugno 2020	For the Certification Body Per l'Organismo di Certificazione/
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Nicola Privato
Management Representative

La validità del presente Certificato è subordinata al rispetto delle condizioni contenute nel Contratto di Certificazione/
 Lack of fulfillment of conditions as set out in the Certification Agreement may render this Certificate invalid.
 DNV GL Business Assurance Italia S.r.l. Via Energy Park, 14, 20871 Vimercate (MB), Italy. Tel: 039 58 99 905. www.dnvgl.it/businessassurance

LEED

Infinity provides the client with data to assess how much a slab can contribute to LEED credits that then go into the overall score of the final property. The LEED document we provide is precisely for the designer to assess how many credits he or she can obtain.

Where? Originating in the United States, it has quite a lot of use in other states especially in Europe.





MANAGEMENT SYSTEM CERTIFICATE

Certificate no.: 10000514999-MSC-ACCREDIA-ITA Initial certification date: 14 January 2022 Valid: 14 January 2022 – 13 January 2025

This is to certify that the management system of
**INFINITY The engineered surface - a Division of
Mirage**
Via Bottegone, 83 - 41026 Pavullo (MO) - Italy

has been found to conform to the Environmental Management System standard:
ISO 14001:2015

This certificate is valid for the following scope:
**Marketing of porcelain stoneware slabs
(IAF 29)**
Evaluated according to the requirements of Technical Regulations RT-09

Place and date:
Vimercate (MB), 14 January 2022



ISO 9001 A
ISO 9001 B
ISO 9001 C
ISO 9001 D
ISO 9001 E
ISO 9001 F
ISO 9001 G
ISO 9001 H
ISO 9001 I
ISO 9001 J
ISO 9001 K
ISO 9001 L
ISO 9001 M
ISO 9001 N
ISO 9001 O
ISO 9001 P
ISO 9001 Q
ISO 9001 R
ISO 9001 S
ISO 9001 T
ISO 9001 U
ISO 9001 V
ISO 9001 W
ISO 9001 X
ISO 9001 Y
ISO 9001 Z
ISO 9001 AA
ISO 9001 AB
ISO 9001 AC
ISO 9001 AD
ISO 9001 AE
ISO 9001 AF
ISO 9001 AG
ISO 9001 AH
ISO 9001 AI
ISO 9001 AJ
ISO 9001 AK
ISO 9001 AL
ISO 9001 AM
ISO 9001 AN
ISO 9001 AO
ISO 9001 AP
ISO 9001 AQ
ISO 9001 AR
ISO 9001 AS
ISO 9001 AT
ISO 9001 AU
ISO 9001 AV
ISO 9001 AW
ISO 9001 AX
ISO 9001 AY
ISO 9001 AZ
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ISO 9001 BL
ISO 9001 BM
ISO 9001 BN
ISO 9001 BO
ISO 9001 BP
ISO 9001 BQ
ISO 9001 BR
ISO 9001 BS
ISO 9001 BT
ISO 9001 BU
ISO 9001 BV
ISO 9001 BW
ISO 9001 BX
ISO 9001 BY
ISO 9001 BZ
ISO 9001 CA
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ISO 9001 CC
ISO 9001 CD
ISO 9001 CE
ISO 9001 CF
ISO 9001 CG
ISO 9001 CH
ISO 9001 CI
ISO 9001 CJ
ISO 9001 CK
ISO 9001 CL
ISO 9001 CM
ISO 9001 CN
ISO 9001 CO
ISO 9001 CP
ISO 9001 CQ
ISO 9001 CR
ISO 9001 CS
ISO 9001 CT
ISO 9001 CU
ISO 9001 CV
ISO 9001 CW
ISO 9001 CX
ISO 9001 CY
ISO 9001 CZ
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ISO 9001 DK
ISO 9001 DL
ISO 9001 DM
ISO 9001 DN
ISO 9001 DO
ISO 9001 DP
ISO 9001 DQ
ISO 9001 DR
ISO 9001 DS
ISO 9001 DT
ISO 9001 DU
ISO 9001 DV
ISO 9001 DW
ISO 9001 DX
ISO 9001 DY
ISO 9001 DZ
ISO 9001 EA
ISO 9001 EB
ISO 9001 EC
ISO 9001 ED
ISO 9001 EE
ISO 9001 EF
ISO 9001 EG
ISO 9001 EH
ISO 9001 EI
ISO 9001 EJ
ISO 9001 EK
ISO 9001 EL
ISO 9001 EM
ISO 9001 EN
ISO 9001 EO
ISO 9001 EP
ISO 9001 EQ
ISO 9001 ER
ISO 9001 ES
ISO 9001 ET
ISO 9001 EU
ISO 9001 EV
ISO 9001 EW
ISO 9001 EX
ISO 9001 EY
ISO 9001 EZ
ISO 9001 FA
ISO 9001 FB
ISO 9001 FC
ISO 9001 FD
ISO 9001 FE
ISO 9001 FF
ISO 9001 FG
ISO 9001 FH
ISO 9001 FI
ISO 9001 FJ
ISO 9001 FK
ISO 9001 FL
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ISO 9001 FO
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ISO 9001 GI
ISO 9001 GJ
ISO 9001 GK
ISO 9001 GL
ISO 9001 GM
ISO 9001 GN
ISO 9001 GO
ISO 9001 GP
ISO 9001 GQ
ISO 9001 GR
ISO 9001 GS
ISO 9001 GT
ISO 9001 GU
ISO 9001 GV
ISO 9001 GW
ISO 9001 GX
ISO 9001 GY
ISO 9001 GZ
ISO 9001 HA
ISO 9001 HB
ISO 9001 HC
ISO 9001 HD
ISO 9001 HE
ISO 9001 HF
ISO 9001 HG
ISO 9001 HH
ISO 9001 HI
ISO 9001 HJ
ISO 9001 HK
ISO 9001 HL
ISO 9001 HM
ISO 9001 HN
ISO 9001 HO
ISO 9001 HP
ISO 9001 HQ
ISO 9001 HR
ISO 9001 HS
ISO 9001 HT
ISO 9001 HU
ISO 9001 HV
ISO 9001 HW
ISO 9001 HX
ISO 9001 HY
ISO 9001 HZ
ISO 9001 IA
ISO 9001 IB
ISO 9001 IC
ISO 9001 ID
ISO 9001 IE
ISO 9001 IF
ISO 9001 IG
ISO 9001 IH
ISO 9001 II
ISO 9001 IJ
ISO 9001 IK
ISO 9001 IL
ISO 9001 IM
ISO 9001 IN
ISO 9001 IO
ISO 9001 IP
ISO 9001 IQ
ISO 9001 IR
ISO 9001 IS
ISO 9001 IT
ISO 9001 IA
ISO 9001 IB
ISO 9001 IC
ISO 9001 ID
ISO 9001 IE
ISO 9001 IF
ISO 9001 IG
ISO 9001 IH
ISO 9001 II
ISO 9001 IJ
ISO 9001 IK
ISO 9001 IL
ISO 9001 IM
ISO 9001 IN
ISO 9001 IO
ISO 9001 IP
ISO 9001 IQ
ISO 9001 IR
ISO 9001 IS
ISO 9001 IT

For the issuing office:
DNV - Business Assurance
Via Energy Park, 14, - 20871 Vimercate (MB) - Italy

Claudia Baroncini

Claudia Baroncini
Management Representative


Lack of fulfillment of conditions as set out in the Certification Agreement may render this Certificate invalid.
ACCREDITED UNIT: DNV Business Assurance Italy S.r.l., Via Energy Park, 14 - 20871 Vimercate (MB) - Italy - TEL: +39 08 99 905, www.dnv.it

ISO 14001

ISO 14001 is a voluntary standard, applicable to any type of public or private organization that wishes to implement, improve or verify an environmental management system, demonstrating compliance with international environmental standards with this certification.









Approval body for construction products and types of construction

Bautechnisches Prüfamt

An institution established by the Federal and Lander Governments



Member of
EOTA
www.eota.eu



Designated according to Article 29 of Regulation (EU) No 305/2011 and member of EOTA (European Organisation for Technical Assessment)

European Technical Assessment

ETA-20/0483
of 29 June 2020

English translation prepared by DIBt - Original version in German language

General Part

<p>Technical Assessment Body issuing the European Technical Assessment:</p> <p>Trade name of the construction product</p> <p>Product family to which the construction product belongs</p> <p>Manufacturer</p> <p>Manufacturing plant</p> <p>This European Technical Assessment contains</p> <p>This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, on the basis of</p>	<p>Deutsches Institut für Bautechnik</p> <p>Infinity KEIL undercut anchor KH</p> <p>Fastener for the rear fixing of facade panels made of ceramic plates (stoneware) in accordance with EN 14411:2012</p> <p>Infinity - The engineered surface Via Bottegone 83 41026 PAVULLO (MO) ITALIEN</p> <p>Plant 1</p> <p>18 pages including 4 annexes which form an integral part of this assessment</p> <p>EAD 330030-00-0601, edition 10/2018</p>
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Deutsches Institut für Bautechnik
Kolonnenstraße 30 B | 10829 Berlin | GERMANY | Phone: +49 30 78730-0 | Fax: +49 30 78730-320 | Email: dibt@dibt.de | www.dibt.de

Z55488.20

8.06.01-125/20

ETA-20/0483

It is a European technical evaluation that concerns products that are not within the scope of a harmonized standard; it does not strictly concern ceramic slabs. The specific case cited refers to KEIL attachments for ventilated facades. One could say that in a way it confirms the fact that Infinity slabs are compatible with the KEIL attachment system. It originated in Germany, but in fact it is needed wherever there is a combination of infinity slabs and KEIL attachments





CERTIFICATE OF COMPLIANCE



Infinity
CEMENTI (CE)

112300-420
Certificate Number

05/20/2018 - 05/20/2022
Certificate Period

Certified
Status

UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings

Flooring products are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2013 using a Classroom Environment.
Product tested in accordance with UL 2818 test method to show compliance to emission limits on UL 2818, Section 7.1 and 7.2.

GREENGUARD Gold Certification Criteria for Building Products and Interior Finishes

Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC ^(a)	-	0.22	mg/m ³
Formaldehyde	50-00-0	9 (7.3 ppb)	µg/m ³
Total Aldehydes ^(b)	-	0.043	ppm
4-Phenylcyclohexene	4994-16-5	6.5	µg/m ³
Particle Matter less than 10 µm ^(c)	-	20	µg/m ³
1-Methyl-2-pyrrolidinone ^(d)	872-50-4	160	µg/m ³
Individual VOCs ^(e)	-	1/2 CREL or 1/100th TLV	-

^(a) Defined to be the total response of measured VOCs falling within the C₆ - C₁₀ range, with responses calibrated to a toluene surrogate. Maximum allowable predicted TVOC concentrations for GREENGUARD Gold (0.22 mg/m³) fall in the range of 0.5 mg/m³ or less, as specified in CDPH Standard Method V1.2.

^(b) The sum of all measured normal aldehydes from formaldehyde through nonanal, plus benzaldehyde, individually calibrated to a compound specific standard. Heptanal through nonanal are measured via TO/GC/MS analysis and the remaining aldehydes are measured using HPLC/UV analysis.

^(c) Particle emission requirement only applicable to HVAC Duct Products with exposed surface area in air streams (a forced air test with specific test method) and for wood finishing (sanding) systems.

^(d) Based on the CA Prop 65 Maximum Allowable Dose Level for inhalation of 3,200 µg/day and an inhalation rate of 20 m³/day.

^(e) Allowable levels for chemicals not listed are derived from the lower of 1/3 the California Office of Environmental Health Hazard Assessment (OEHHA) Chronic Reference Exposure Level (CREL) as required per the CDPH/HLB/Standard Method V1.2 and BIFMA level credit 7.8.2 and 3/200th of the Threshold Limit Value (TLV) industrial work place standard (Reference: American Conference of Government Industrial Hygienists, 6500 Glenway, Building D-7, and Cincinnati, OH 45211-4438).



UL investigated representative samples of the identified Product(s) to the identified Standard(s) or other requirements in accordance with the agreements and any applicable program service terms in place between UL and the Certificate Holder (collectively "Agreement"). The Certificate Holder is authorized to use the UL Mark for the identified Product(s) manufactured at the production site(s) covered by the UL Test Report, in accordance with the terms of the Agreement. This Certificate is valid for the identified date unless there is non-compliance with the Agreement.

GREENGUARD

It certifies that the slabs do not emit volatile organic substances (VOCs) that may have adverse effects on those who remain in a room lined with them for a long time.

Where? Greenguard is recognized worldwide.





Declare.

INFINITY Porcelain Slabs INFINITY The Engineered surface

Final Assembly: Pavullo nel Frignano, Modena, Italy

Life Expectancy: 60 Year(s)

End of Life Options: Recyclable (100%)

Ingredients:

porcelain slabs: Silica, Vitreous; Silica, crystalline quartz; Mullite (Al₆O₅(SiO₄)₂); Feldspar

Living Building Challenge Criteria: Compliant

I-13 Red List:

- | | |
|---|-----------------------------|
| <input checked="" type="checkbox"/> LBC Red List Free | % Disclosed: 100% at 100ppm |
| <input type="checkbox"/> LBC Red List Approved | VOC Content: Not Applicable |
| <input type="checkbox"/> Declared | |

I-10 Interior Performance: Not Applicable

I-14 Responsible Sourcing: Not Applicable

INY-0001

EXP. 01 JUL 2022

Original Issue Date: 2021

MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY
INTERNATIONAL LIVING FUTURE INSTITUTE™ living-future.org/declare


DECLARE

in addition to providing a description of the lifespan and ingredients used, it mainly indicates the absence of hazardous ingredients that are listed in the red list.

It is useful worldwide to ensure the safety of the material in terms of the absence of hazardous substances.








7/9/2022

ב"ה י"א באלול תשפ"ב

אישור הלכתי-טכנולוגי

הרינו מאשרים בזאת את כשרותם של
משטחי המטבח




מבית
י'אליהו חסון בע"מ

הכשרת משטחי המטבח
לפסח, מבשרי לחלבי וכן להכשרה כללית תיעשה
ע"י עירוי מים רותחים מיכלי ראשון

מומלץ לא להניח מאכל מוצק רותח ישירות על המשטח

אישור זה תקף לשלש שנים ויפוג בתאריך י"ד באלול תשפ"ה, 7/9/2025

צומת"
צוותי מדע ותורה
אלון שבות גוש עציון 90433
טל: 029931442

 הרב מנחם ברל
ראש מכון 'צומת'

מ.ס. עמותה: 580035236 הארז 3, אלון שבות 9043300
 טל: 02-9931442 פקס: 02-9931889 דוא"ל: mail@zomet.org www.zomet.org.il

KOSHER CERTIFICATION

These are a set of religious rules that indicate what an observant Jew may or may not eat, so the main application relates to food and its preparation. Relative to the latter, tableware or countertops may also be subject to rules. For example, if a ceramic plate contained elements of animal origin (as in digital inks) it could not be Kosher.

Where? Worldwide

PRODUCT CERTIFICATION





INFINITY™
The engineered surface.

FACEBOOK

facebook.com/InfinityTheEngineeredSurface

INSTAGRAM

instagram.com/infinitytheengineeredsurface

PINTEREST

pinterest.it/infinitytheengineeredsurface

LINKEDIN

linkedin.com/company/infinity-engineered-surface/

THANK YOU