



progetto
COLLECTION

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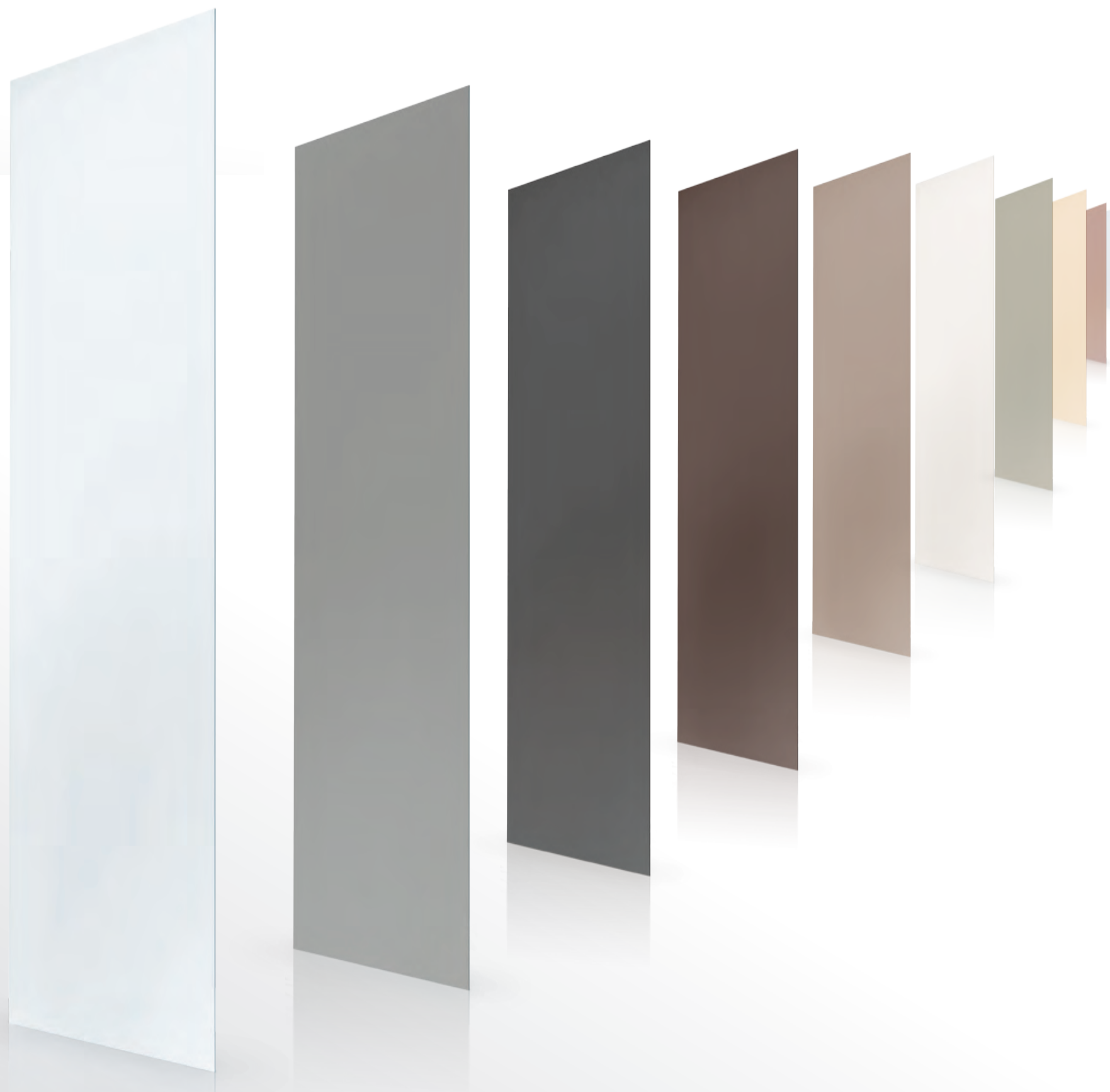
LAMINAM®

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Ampio è lo spettro cromatico riprodotto, perchè il colore nel progetto Collection assume un ruolo determinante nella descrizione architettonica degli spazi e dei volumi. Il progetto Collection non è un semplice rivestimento, è un'idea per disegnare e arredare ambienti, progettare interni ed esterni. È oltretutto materia di stimolo per creare e vestire nuovi oggetti e complementi d'arredo.

The reproduced chromatic spectrum is wide, since colour, in the Collection project, plays a basic role in the architectural description of spaces and volumes. The Collection project is not a mere covering, it is an idea for designing and decorating places and for planning interiors and exteriors. It is also a stimulating matter that prompts to creating and clothing new objects and furnishing accessories.



Scegliere il colore di un ambiente richiede una visione nitida degli spazi e del tipo di attività che essi ospiteranno. Il sapiente lavoro di miscelazione cromatica, trasforma le superfici in tavolozze sulle quali è possibile creare nuovi abbinamenti, partendo dalla somma di tutti i colori: il bianco assoluto. La forma che determina lo spazio, è quindi uno stimolo per lavorare anche con le variazioni cromatiche. Colori pastello, neutri, dominanti o complementari abbinati a superfici altamente lavorabili, diventano per chi progetta, un'inesauribile fonte di ispirazione.

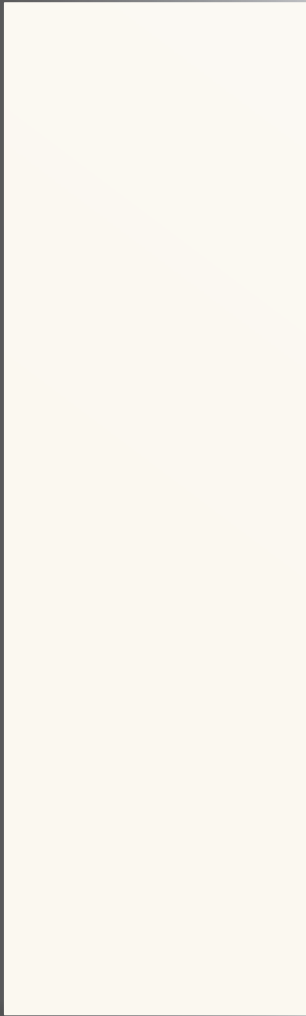
Il progetto Collection costituisce la base cromatica su cui vengono elaborati sviluppi grafici e materici, espressi in tutti i progetti di Laminam.

The selection of the suitable colour for a place requires a clear vision of spaces and the activities that will take place in it. The masterly work of colour blending uses surfaces as palettes which allow for the creation of new matches, starting from the sum of all colours: absolute white. The shape that determines the space is thus a stimulus to work with colour variations. Pastel, neutral, dominant or complementary colours, matched with highly processable surfaces, become an inexhaustible source of inspiration for designers.

The Collection project is the chromatic base on which new graphic and material developments are founded and which are expressed in all Laminam projects.

Palette colori

neve



Colori su richiesta / Colours on demand



3mm di materiale ceramico che costituiscono una superficie tecnicamente avanzata di oltre **mq.**

Il prodotto è ottenuto tramite:

- **MACINAZIONE AD UMIDO DI MATERIE PRIME**
(argille di cava – rocce granitiche e metamorfiche a componente feldspatica – pigmenti ceramici calcinati)
- **TRASFORMAZIONE DELLA MISCELA IN GRANULATO**
- **INNOVATIVA TECNOLOGIA DI FORMATURA**
- **SINTERIZZAZIONE A 1200° C**
- **BORDO RIFILATO**

CARATTERISTICHE GEOMETRICHE (della lastra generatrice o di base):

- forma: **rettangolare**
- dimensioni nominali: **3 m x 1 m**
- spessore nominale: **3mm**
- rapporto minimo area utile/ spessore: **8x10⁵**

Dalla lastra di base possono essere ottenuti per semplice taglio forme e formati diversi.

UTILIZZO DEL PRODOTTO:

- settore edile: rivestimento di pareti, soffitti, interni ed esterni tramite incollaggio
- settore arredo

3mm of ceramic material which make up a technologically advanced surface of more than **sqm.**

The product is obtained through:

- **WET MILLING OF RAW MATERIAL**
(such as clay, granite and metamorphic rocks with a feldspar content calcinated ceramic pigments)
- **TRANSFORMATION OF THE MIX INTO GRANULES**
- **INNOVATIVE FORMING TECHNOLOGY**
- **SYNTHORIZATION AT 1200° C**
- **EDGE TRIMMING**

GEOMETRIC CHARACTERISTICS (basic slab):

- shape: **rectangular**
- nominal size: **3 m x 1 m**
- nominal thickness: **3 mm**
- minimum ratio area/thickness: **8x10⁵**

Starting from the basic slab you can obtain different shapes and sizes through simple cutting.

PRODUCT APPLICATIONS :

- building industry, outdoor and indoor wall coverings (laying by cement based adhesives)
- furniture industry



LAM'Slab™ più rinforzo strutturale di materiale inerte (stuoia in fibra di vetro applicata sul retro con apposito collante)

Spessore nominale: **3,5 mm**

UTILIZZO DEL PRODOTTO:

- settore edile: rivestimento di pavimenti e pareti interni tramite incollaggio
- settore edile: rivestimento di pavimenti e pareti esterni tramite incollaggio
- pareti tamponate /ventilate
- settore arredo

LAM'Slab™ plus fiberglass net applied on the back side with suitable bonding agent

Nominal thickness: **3,5 mm**

PRODUCT APPLICATIONS :

- building industry: indoor flooring and wall coverings (laying by cement based adhesives)
- building industry: outdoor flooring and wall coverings (laying by cement based adhesives)
- ventilated facades
- furniture industry



Sandwich di due LAM'Slab™ con interposta stuoia in fibra di vetro applicata con apposito collante

Spessore nominale: **7 mm**

UTILIZZO DEL PRODOTTO:

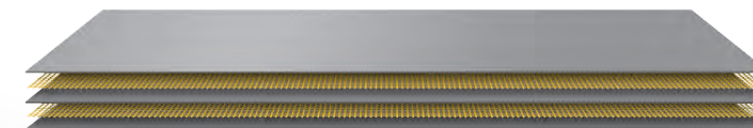
- settore edile: rivestimento di pavimenti e pareti interni tramite incollaggio
- settore edile: rivestimento di pavimenti e pareti esterni tramite incollaggio
- settore edile: rivestimento di pavimenti interni galleggianti
- settore arredo

LAM'Slab™ plus fiberglass reinforcement net applied with suitable bonding agent in between

Nominal thickness: **7 mm**

PRODUCT APPLICATIONS :

- building industry: indoor flooring and wall coverings (laying by cement based adhesives)
- building industry: outdoor flooring and wall coverings (laying by cement based adhesives)
- building industry: indoor floating floors
- furniture industry



Sandwich di tre LAM'Slab™ con doppia interposizione di stuoia in fibra di vetro applicata con apposito collante

Spessore nominale: **11 mm**

UTILIZZO DEL PRODOTTO:

- settore edile: rivestimento di pavimenti interni galleggianti
- settore arredo

LAM'Slab™ plus two fiberglass reinforcement net applied with suitable bonding agent in between

Nominal thickness: **11 mm**

PRODUCT APPLICATIONS :

- building industry: indoor floating floors
- furniture industry

UN PRODOTTO PER 1000 APPLICAZIONI

LAM'Slab™ e derivati sono adatti per numerose applicazioni sia in ambienti interni che esterni:

EDILIZIA:

pavimenti e rivestimenti, pareti divisorie e attrezzate, controsoffitti, finiture e ripristini di superfici, pareti ventilate, rivestimenti coibentati, gallerie, metropolitane, camere bianche

ARREDAMENTO:

superfici per piani di bagni e cucine, armadi, tavoli, scrivanie, porte ed arredi in genere

SETTORE NAVALE

PANNELLI COMPOSITI E STRUTTURALI

VERSATILITÀ:

LAM'Slab™ e derivati sono adatti per essere stratificati con altri materiali, tagliati in diversi formati con estrema precisione, allo scopo di soddisfare esigenze progettuali di ogni tipo

A PROVA DI TEST / CARATTERISTICHE PRINCIPALI



RESISTENZA AGLI ATTACCHI CHIMICI:

LAM'Slab™ resiste ai solventi organici, inorganici, disinfettanti e detergenti.

Si pulisce con estrema facilità mantenendo inalterate le caratteristiche della superficie, l'unico prodotto in grado di attaccare il prodotto è l'acido fluoridrico.



RESISTENZA ALL'USURA:

LAM'Slab™ resiste ai graffi e all'abrasione profonda. Le sue proprietà rimangono pertanto inalterate anche dopo un uso intensivo e una pulizia frequente.



ELEVATA RESISTENZA ALLA FLESSIONE:

LAM'Slab™ presenta un elevato modulo di rottura.



INGELIVITA':

Grazie ad un assorbimento medio di acqua pari allo 0.1% LAM'Slab™ resiste al gelo e si adatta a tutte le condizioni climatiche.



REAZIONE AL FUOCO:

LAM'Slab™ non contiene materie organiche, pertanto resiste al fuoco e alle alte temperature. In caso d'incendio non sprigiona fumo e non emette sostanze tossiche.



SUPERFICIE IGIENICA:

LAM'Slab™ è totalmente compatibile con le sostanze alimentari in quanto non rilascia elementi in soluzione. Non consente l'insorgenza di muffe, batteri e funghi.



PROPRIETA' CROMATICHE:

Priva di pigmenti organici, LAM'Slab™ resiste ai raggi UV. I colori non subiscono alcuna alterazione, anche se sottoposti a variazioni delle condizioni climatiche.



ECO-COMPATIBILITA' E RICICLABILITA':

LAM'Slab™ è un prodotto totalmente naturale. Non cede elementi all'ambiente e può essere facilmente macinato e interamente riciclato in altri processi produttivi.

A PRODUCT FOR 1000 APPLICATIONS

LAM'Slab™ and all Lam'S are suitable for both interior and exterior applications such as:

BUILDING INDUSTRY :

walls and floors, storage walls and partitioning, false ceilings, surface finishing and restoration, ventilated facades, insulating panelling, tunnels, underground and clean rooms

FURNISHING:

kitchen and bathroom countertops, wardrobes, doors and furniture in general

SHIPBUILDING INDUSTRY

COMPOSITE PANELS

VERSATILITY:

LAM'Slab™ and all Lam'S are suitable for bonding to other materials and cutting into several sizes with great accuracy in order to meet any design need

TEST-PROOF / MAIN FEATURES



CHEMICAL RESISTANCE:

LAM'Slab™ resists to organic and inorganic solvents, disinfectants and detergents. It can be easily cleaned without affecting its surface characteristics. Only fluoridric acid can attack LAM'Slab.



WEAR RESISTANCE:

LAM'Slab™ is highly scratch and deep abrasion resistant .The slab keeps its excellent properties even after intensive use and cleaning.



BREAKING STRENGTH:

LAM'Slab™ has a high modulus of rupture.



FROST RESISTANCE:

LAM'Slab™ water absorption percentage is 0.1% therefore it is frost resistant and it is perfectly suitable for any weather condition.



FIRE BEHAVIOUR:

LAM'Slab™ does not contain organic elements, therefore it is resistant to fire and high temperatures. In event of fire, it does not release smoke or toxic substances.



HYGIENIC SURFACE:

LAM'Slab™ is totally compatible with food since it does not release elements in solution. It does not allow the formation of moulds, fungi or bacteria.



CHROMATIC PROPERTIES:

Thanks to the absence of organic pigments, LAM'Slab™ is resistant to UV rays, even under the most severe climatic conditions, LAM'Slab™ shows perfect colour stability.



ENVIROMENT-FRIENDLY AND RECYCLABLE:

LAM'Slab™ is a totally natural product. It does not release any substances into the environment and can be easily milled and recycled in other manufacturing processes.



PROPRIETA' FISICO CHIMICHE	NORMA/METODO	LAM ² Slab™	LAM ² S™	LAM ² S ² ™	LAM ² S ³ ™
DIMENSIONE	Laminam	Escursione massima sul lato +/- 0,5 mm	= LAM'Slab	= LAM'Slab	= LAM'Slab
DIMENSIONE	Laminam	Escursione massima sulla diagonale +/- 1,0 mm	= LAM'Slab	= LAM'Slab	= LAM'Slab
SPESSORE	Laminam	3 mm +/- 0,5 mm	3,5 mm +/- 0,5 mm	7 mm +/- 0,5 mm	10,2 mm +/- 0,5 mm
PESO	Laminam	Valore medio 7 kg/m²	Valore medio 7,8 kg/m²	Valore medio 15 kg/m²	Valore medio 23 kg/m²
QUALITÀ DELLA SUPERFICIE (% di pezzi esenti da difetti)	ISO 10545-2	> 95%	= LAM'Slab	= LAM'Slab	= LAM'Slab
ASSORBIMENTO ACQUA	ISO 10545-3	Valore medio 0.1% (< 0,3%)	= LAM'Slab	= LAM'Slab	= LAM'Slab
ASSORBIMENTO ACQUA	ASTM C373	Valore medio 0.1% (< 0,3%)	= LAM'Slab	= LAM'Slab	= LAM'Slab
FORZA DI ROTTURA IN N (CAMP. 200X300 mm)	ISO 10545-4*	-----	Valore medio 700	Valore medio 1500	Valore medio 3000
RESISTENZA ALLA FLESSIONE IN N/mm²	ISO 10545-4	Valore medio 50 (campioni dimensioni 200x300 mm)	Valore medio 90 (campioni dimensioni 40x100 mm)	Valore medio 50 (campioni dimensioni 20x100 mm)	Valore medio 70 (campioni dimensioni 10x100 mm)
DUREZZA SCALA MOHS	UNI EN 101	≥ 6	= LAM'Slab	= LAM'Slab	= LAM'Slab
RESISTENZA ALL'ABRASIONE PROFONDA	ISO 10545-6	≤ 175 mm³	= LAM'Slab	= LAM'Slab	= LAM'Slab
COEFFICIENTE DI DILATAZIONE TERMICA LINEARE (10 ⁻⁶ /°C)	ISO 10545-8	6, 6	= LAM'Slab	= LAM'Slab	= LAM'Slab
RESISTENZA AGLI SBALZI TERMICI	ISO 10545-9	Resiste	= LAM'Slab	= LAM'Slab	= LAM'Slab
RESISTENZA CHIMICA	ISO 10545-13	Nessun effetto visibile	= LAM'Slab	= LAM'Slab	= LAM'Slab
RESISTENZA ALLE MACCHIE	ISO 10545-14	Classe 5	= LAM'Slab	= LAM'Slab	= LAM'Slab
RESISTENZA AL GELO	ISO 10545-12	Resiste	= LAM'Slab	= LAM'Slab	= LAM'Slab
RESISTENZA ALL'URTO TRAMITE COEFF. DI RESTITUZIONE	ISO 10545-5	Valore medio 0,60	-----	-----	-----
COEFFICIENTE D'ATTRITO	DIN 51130	R9	= LAM'Slab	= LAM'Slab	= LAM'Slab
COEFFICIENTE D'ATTRITO	ASTM C-1028	μ > 0,60	= LAM'Slab	= LAM'Slab	= LAM'Slab
REAZIONE AL FUOCO	EN 13501 (rev.2005)	A1 (Decisione 96/603/CE e sue modifiche)	A2 - s1, d0	-----	-----

*Requisito UNI EN 14411 non applicabile.



PHYSICAL AND CHEMICAL PROPERTIES	NORM / TEST METHOD	LAM ² Slab™	LAM ² S™	LAM ² S ² ™	LAM ² S ³ ™
SIZE	Laminam	Max. deviation on the side +/- 0.5 mm	= LAM'Slab	= LAM'Slab	= LAM'Slab
SIZE	Laminam	Max. deviation on the side +/- 1.0 mm	= LAM'Slab	= LAM'Slab	= LAM'Slab
THICKNESS	Laminam	3 mm +/- 0.5 mm	3.5 mm +/- 0.5 mm	7 mm +/- 0.5 mm	10.2 mm +/- 0.5 mm
WEIGHT	Laminam	Average value 7 kg/m²	Average value 7.8 kg/m²	Average value 15 kg/m²	Average value 23 kg/m²
SURFACE QUALITY (% of tiles with no visible flaws)	ISO 10545-2	> 95%	= LAM'Slab	= LAM'Slab	= LAM'Slab
WATER ABSORPTION	ISO 10545-3	Average value 0.1% (< 0,3%)	= LAM'Slab	= LAM'Slab	= LAM'Slab
WATER ABSORPTION	ASTM C373	Average value 0.1% (< 0,3%)	= LAM'Slab	= LAM'Slab	= LAM'Slab
BREAKING LOAD IN N (SAMPLES 200x300 mm)	ISO 10545-4*	-----	Average value 700	Average value 1500	Average value 3000
BENDING STRENGTH IN N/mm²	ISO 10545-4	Average value 50 (sample dimensions 200x300 mm)	Average value 90 (sample dimensions 40x100 mm)	Average value 50 (sample dimensions 20x100 mm)	Average value 70 (sample dimensions 10x100 mm)
MOHS SCALE HARDNESS	UNI EN 101	≥ 6	= LAM'Slab	= LAM'Slab	= LAM'Slab
RESISTANCE TO DEEP ABRASION	ISO 10545-6	≤ 175 mm³	= LAM'Slab	= LAM'Slab	= LAM'Slab
COEFFICIENT OF LINEAR THERMAL EXPANSION (10 ⁻⁶ /°C)	ISO 10545-8	6,6	= LAM'Slab	= LAM'Slab	= LAM'Slab
RESISTANCE TO THERMAL SHOCK	ISO 10545-9	Resistant	= LAM'Slab	= LAM'Slab	= LAM'Slab
CHEMICAL RESISTANCE	ISO 10545-13	No visible effect	= LAM'Slab	= LAM'Slab	= LAM'Slab
STAIN RESISTANCE	ISO 10545-14	Class 5	= LAM'Slab	= LAM'Slab	= LAM'Slab
FROST RESISTANCE	ISO 10545-12	Resistant	= LAM'Slab	= LAM'Slab	= LAM'Slab
SHOCK RESISTANCE	ISO 10545-5	Average value 0,60	-----	-----	-----
COEFFICIENT OF FRICTION	DIN 51130	R9	= LAM'Slab	= LAM'Slab	= LAM'Slab
COEFFICIENT OF FRICTION	ASTM C-1028	μ > 0.60	= LAM'Slab	= LAM'Slab	= LAM'Slab
FIRE REACTION	EN 13501 (rev. 2005)	A1 (Decision 96/603/CE as amended)	A2 - s1, d0	-----	-----

*Requirement UNI EN 14411 not applicable.

Formato / Size	mm in.	1000 x 3000 39.4 x 118.1	500 x 500 19.7 x 19.7	1000 x 500 39.4 x 19.7	1000 x 600 39.4 x 23.6	1000 x 1000 39.4 x 39.4	1000 x 1500 39.4 x 59	1000 x 400 39.4 x 15.7
Colore / Colour								
Avorio		F000007	F001010	F001023	F001036	F001049	F001062	F001075
Fumo		F000010	F001006	F001019	F001032	F001045	F001058	F001071
Nero		F000004	F001005	F001018	F001031	F001044	F001057	F001070
Tortora		F000016	F001009	F001022	F001035	F001048	F001061	F001074
Arancio		F000023	F001012	F001025	F001038	F001051	F001064	F001077
Cielo		F000021	F001004	F001017	F001030	F001043	F001056	F001069
Corallo		F000056	F001011	F001024	F001037	F001050	F001063	F001076
Lapis		F000134	F001003	F001016	F001029	F001042	F001055	F001068
Moro		F000017	F001008	F001021	F001034	F001047	F001060	F001073
Oliva		F000130	F001013	F001026	F001039	F001052	F001065	F001078
Perla		F000093	F001007	F001020	F001033	F001046	F001059	F001072
Neve		F000026	F001001	F001014	F001027	F001040	F001053	F001066
Notte		F000024	F001002	F001015	F001028	F001041	F001054	F001067

Formato / Size	mm in.	1000 x 3000 39.4 x 118.1	500 x 500 19.7 x 19.7	1000 x 500 39.4 x 19.7	1000 x 600 39.4 x 23.6	1000 x 1000 39.4 x 39.4	1000 x 1500 39.4 x 59	1000 x 400 39.4 x 15.7
Colore / Colour								
Avorio		F000110	F001088	F001101	F001114	F001127	F001140	---
Fumo		F000047	F001084	F001097	F001110	F001123	F001136	---
Nero		F000046	F001083	F001096	F001109	F001122	F001135	---
Tortora		F000163	F001087	F001100	F001113	F001126	F001139	---
Arancio		F000049	F001090	F001103	F001116	F001129	F001142	---
Cielo		F000399	F001082	F001095	F001108	F001121	F001134	---
Corallo		F000107	F001089	F001102	F001115	F001128	F001141	---
Lapis		F000109	F001081	F001094	F001107	F001120	F001133	---
Moro		F000218	F001086	F001099	F001112	F001125	F001138	---
Oliva		F000214	F001091	F001104	F001117	F001130	F001143	---
Perla		F000402	F001085	F001098	F001111	F001124	F001137	---
Neve		F000102	F001079	F001092	F001105	F001118	F001131	---
Notte		F000050	F001080	F001093	F001106	F001119	F001132	---

Formato / Size	mm in.	1000 x 3000 39.4 x 118.1	500 x 500 19.7 x 19.7	1000 x 500 39.4 x 19.7	1000 x 600 39.4 x 23.6	1000 x 1000 39.4 x 39.4	1000 x 1500 39.4 x 59	1000 x 400 39.4 x 15.7
Colore / Colour								
Avorio		F000404	---	---	---	---	---	---
Fumo		F000116	---	---	---	---	---	---
Nero		F000211	---	---	---	---	---	---
Tortora		F000193	---	---	---	---	---	---
Arancio		F000406	---	---	---	---	---	---
Cielo		F000403	---	---	---	---	---	---
Corallo		F000405	---	---	---	---	---	---
Lapis		F000066	---	---	---	---	---	---
Moro		F000219	---	---	---	---	---	---
Oliva		F000407	---	---	---	---	---	---
Perla		F000332	---	---	---	---	---	---
Neve		F000113	---	---	---	---	---	---
Notte		F000114	---	---	---	---	---	---

Formato / Size	mm in.	1000 x 3000 39.4 x 118.1	500 x 500 19.7 x 19.7	1000 x 500 39.4 x 19.7	1000 x 600 39.4 x 23.6	1000 x 1000 39.4 x 39.4	1000 x 1500 39.4 x 59	1000 x 400 39.4 x 15.7
Colore / Colour								
Avorio		F001153	---	---	---	---	---	---
Fumo		F001149	---	---	---	---	---	---
Nero		F001148	---	---	---	---	---	---
Tortora		F001152	---	---	---	---	---	---
Arancio		F001155	---	---	---	---	---	---
Cielo		F001147	---	---	---	---	---	---
Corallo		F001154	---	---	---	---	---	---
Lapis		F001146	---	---	---	---	---	---
Moro		F001151	---	---	---	---	---	---
Oliva		F001156	---	---	---	---	---	---
Perla		F001150	---	---	---	---	---	---
Neve		F001144	---	---	---	---	---	---
Notte		F001145	---	---	---	---	---	---

• L'unicità di alcune caratteristiche fisiche dei prodotti Laminam li rende non totalmente paragonabili ai comuni prodotti ceramici. Pertanto i risultati dei test sono indicativi e non vincolanti.

• I colori rappresentati su questo catalogo sono indicativi e possono subire parziali variazioni di tonalità.

• The unique features of Laminam products do not allow for a perfect comparison with ceramic tiles. The test results are therefore only indicative and not binding.

• The colours represented on this catalogue are only indicative and can undergo shade variations.