



M700F
FLUIDE
18,8 kg
41,45 lb

MARIUS AURENTI

MORPHEO M700F FLUIDE + MORPHEO BLUSH CONCENTRATE

3-component kit for floors.
It can be used to create 6.5 m² of flooring (4 kg per m²).

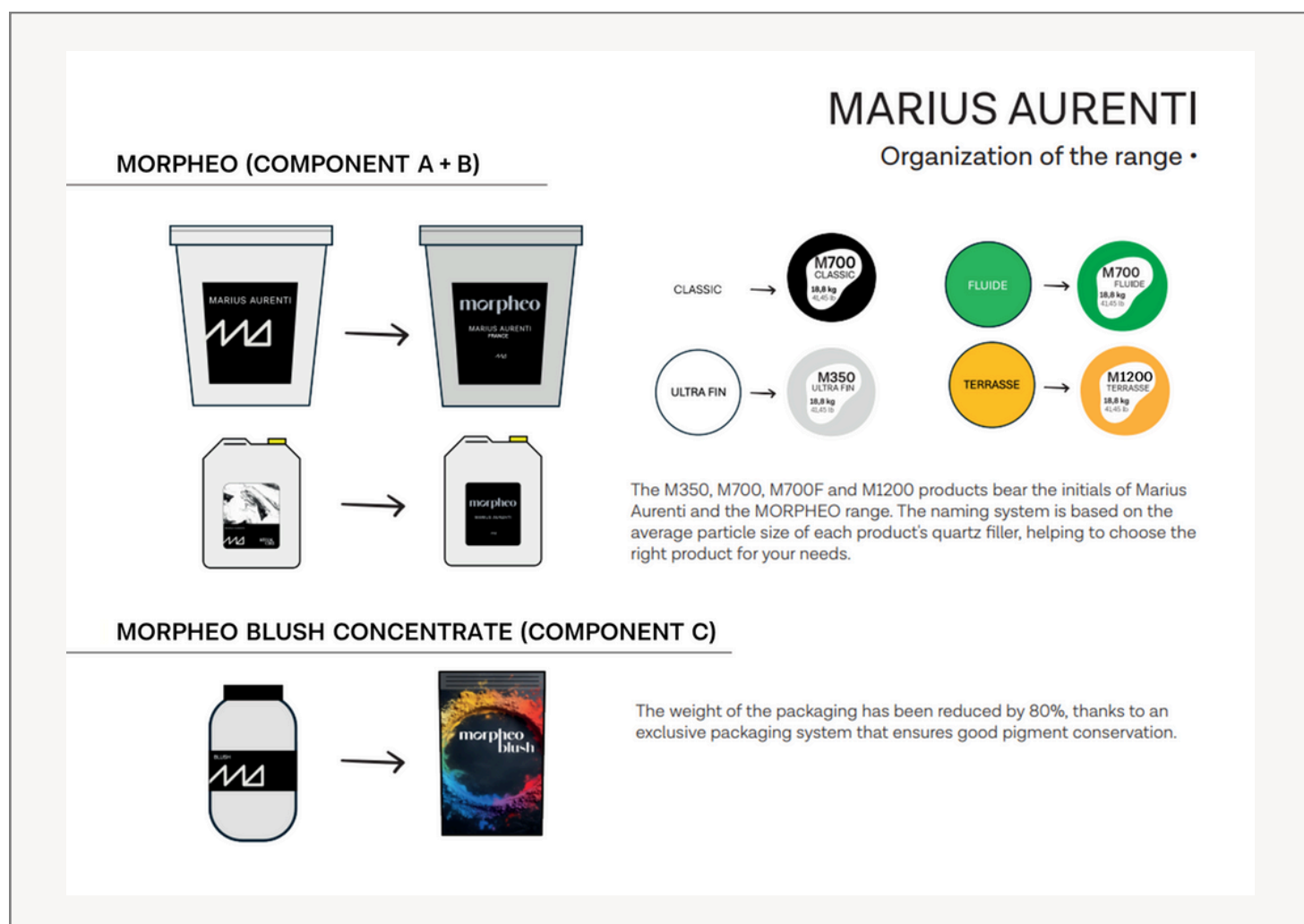
Marius Aurenti has decided to unify the brand's messaging and create a distinctive name for his decorative mortars range.

This name evokes the products' ability to transform a space, give shape to materials, and alter environments.

The new range name is MORPHEO by Marius Aurenti. This timeless, almost ancient sound carries the notion of metamorphosis. Etymologically, "morphe" means form, and Morphéo is 'the one who gives birth to form.'

Morphéo represents the ability to transform, metamorphose, and innovate in architecture.

With Morpheo, the buckets will contain between 50 and 80% recycled plastic.



High-performance millimetric hydraulic mortar intended to create a "Micro Concrete" type coating for interior and exterior decoration (floors, walls, bathrooms, worktops, objects, etc.).

This product, created over 25 years ago, was the world's first millimeter-thick Micro Concrete, an innovation made in France that has already enabled the creation of hundreds of thousands of square meters. It has excellent chemical, mechanical, adhesion and waterproofing resistance.

It is available in 71 colors (MORPHEO BLUSH CONCENTRATE).

This product allows the creation of finished floors with few nuances and a closed grain (refer to the System Sheet on the following page). It will be necessary to choose the finishing coat (varnish or wax) adapted to the uses and premises.

A maintenance guide presents the recommendations according to the finishes and uses.

PACKAGING

3-component kit

- Morpheo M700F Fluide: White Base: Component A / 18.8 kg
- Morpheo LPA binder: Component B / 5.32 kg
- MORPHEO BLUSH CONCENTRATE: Component C / 1.2 kg

THE 7 KEY ADVANTAGES OF MARIUS AURENTI MICRO CONCRETE:

- Without specific joint
- 15-year crack-free guarantee
- A range of high-resistance varnishes from matt to glossy
- Smooth to non-slip textures
- 71 mineral colors
- 2 mm thick
- 44 MPa



FEATURES

The Morpheo M700F Fluide + Blush Concentrate System Marius Aurenti includes:

- a mass layer
- a finishing mortar
- a finishing layer

Refer to their respective Technical Data Sheet and Safety Data Sheet for each of them.

	SUPPORT	TRADE NAME	NUMBER OF LAYERS	TOTAL CONSUMPTION
MASS LAYER	/	Millimetric Decorative Mortar Morpheo M700 Classic	1 layer	2 kg/m²
FINISHING MORTAR LAYER		Millimetric Decorative Mortar Morpheo M700F Fluide	2 layers	2 kg/m²
PROTECTIVE LAYER		Pore Mouth No. 5	2 layers	100 to 250 g/m²
		+ Vernis n°7 Visco	2 layers	250 to 300 g/m²
		or	or	or
		IF3 Fixative	≥ 3 layers	300 to 430 g/m² minimum
	or	or	or	
		HL8	≥ 3 layers	300 to 430 g/m² minimum

The Millimetric Decorative Mortar System Morpheo M700F Fluide is available in 71 colors from the Marius Aurenti IRIS Color Chart.

The admissible substrate is the Morpheo M700 Classic Millimetric Decorative Mortar, applied in one layer at a consumption of 2kg/m².

This support must be dry, clean and flat.

COLORS AND MIXES

To ensure uniformity of color, for the same project, use the same batch number of component A and the same batch number of MORPHEO BLUSH CONCENTRATE.

MORPHEO BLUSH CONCENTRATE contains pigments, fillers and adjuvants in different proportions in order to obtain a constant rheology (fluidity and consistency) of the final product. It is strictly forbidden to mix the concentrates together.

Morpheo M700F Fluide bases are semi-finished materials. It is essential to add a Blush Concentrate to them so that the properties of the Classic Micro Concrete are complete and the formula stable. Even in white, the addition of a white MORPHEO BLUSH CONCENTRATE is mandatory. Using the base alone without adding the concentrate changes the nature of the product and reduces the chemical and mechanical performance of the system. The use of the product must be done by the strict mixing of the 3 components. Never add water.

USES

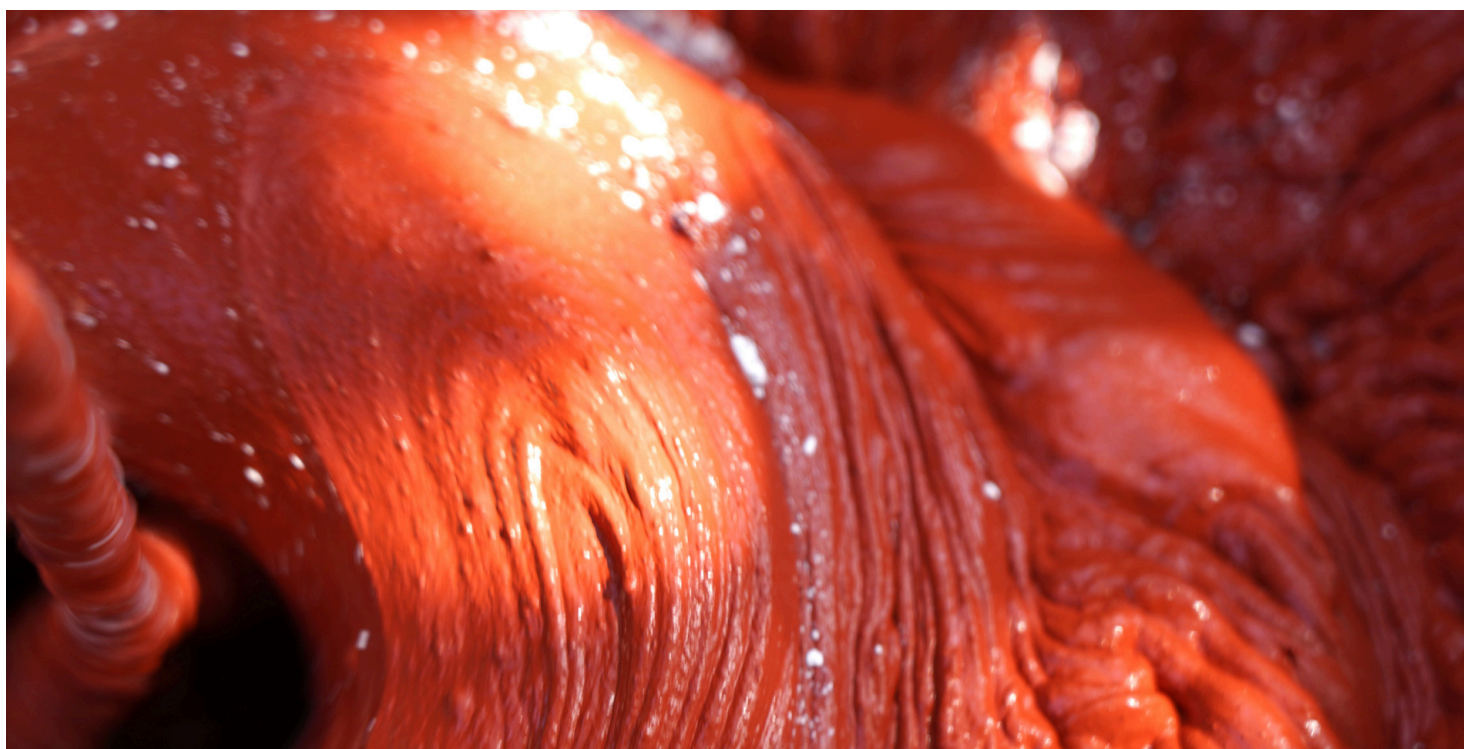
Use in saunas and hammams is excluded.

STORAGE AND SECURITY

1 year in its original unopened packaging, protected from sunlight and frost, at a temperature between +5° and 25°C, ideally between 15 and 20°C. Check the DLUO (best before date) on the packaging before use. Once opened, the product must be used within 7 days.

Use appropriate personal safety equipment described in the Safety Data Sheets.

For further safety information, please consult the Safety Data Sheet.



Preparation is carried out using a dry mix (allows the kit to be used several times) or a wet mix (complete use of the kit).

DRY MIX

In the case of a dry mix, always mix the base and the Blush Concentrate in their entirety before proceeding with any possible division.

- Roll the base bucket to aerate and soften the material
- Open the base bucket and make a slight hollow in the center of the base
- Shake the Blush Concentrate jar and open it
- Pour the Blush Concentrate into the center of the base bucket
- Block the bucket with your feet and mix the base and the Blush Concentrate (ideally with a mixer for pasty products, contact us for prices)
- Immerse the mixer and gradually increase the speed
- Continue mixing by making vertical and lateral movements, straight and inclined, in order to mix the contents perfectly. Insist on the edges at the bottom of the pot so as not to forget these corners that are most difficult to mix. During the first mixes, we advise you to pour the mixed contents into a bucket of the same size in order to visually check the quality of the mixture and to redo it if necessary. The mixing time should not be less than 1 minute
- Add component B (liquid) to the quantity of prepared powder: base (component A) + MORPHEO BLUSH CONCENTRATE perfectly mixed according to the instructions in the table below:

COMPONENT B (LIQUID) IN KG	COMPONENT A + MORPHEO BLUSH CONCENTRATE (COLORED POWDER) IN KG	READY TO APPLY PRODUCT IN KG
0,21	0,79	1,00
0,42	1,58	2,00
0,63	2,37	3,00
1,26	4,74	6,00
2,66	10,00	12,66
5,32	20,00	25,32

Note: the conservation of the materials once mixed dry is not altered by the mixture if the buckets (base + concentrate) are closed and stored under the normal recommended conditions.

WET MIX

- Pour the liquid part (component B, 5.32kg) into a clean, empty bucket
- Shake the pot of MORPHEO BLUSH CONCENTRATE and open it
- Pour the MORPHEO BLUSH CONCENTRATE into the liquid
- Block the bucket and mix at progressive speed until the liquid and the Blush Concentrate are homogeneous.
- Add the powder (Component A) into the liquid.
- Mix mechanically for 2 to 3 minutes until a homogeneous mixture is obtained.

Never add water



HYGROMETRY

The application of the Morpheo M700F Fluide System must be carried out in an ambient relative humidity range of between 30% and 80% except for varnishes which require a humidity range greater than 40% and less than 80%, ideally between 50% and 65%.

Humidity conditions should be maintained for at least 48 hours after application of the final coat.

Protect from wind, direct sunlight, rain, frost and the surrounding flora and fauna during application and setting of the components.

Before any application, check the humidity of the support (4% maximum humidity and $\leq 0.5\%$ for fluid screeds based on calcium sulfate).

TEMPERATURE

Before starting any application, it is imperative to check the temperature of the substrate and the ambient temperature. The temperature of the substrate must be between $+5^{\circ}\text{C}$ and $+25^{\circ}\text{C}$ (ideal temperature: $> 15^{\circ}\text{C}$ and 20°C). It must be at least 3°C higher than the temperature corresponding to the dew point.

The Morpheo M700F Fluide System can be applied at ambient temperatures between 5°C and 25°C for Micro Concrete and between 15°C and 25°C for varnishes, at least 24 hours before the first application and at least 24 hours after application of the last coat.

Low and high temperatures will slow and accelerate setting, respectively. Application should not be carried out in freezing or hot weather. Provide heating or cooling systems if required by the job site.

APPLICATION MATERIAL

Smoother of the Parfait'Liss 35 cm type or stainless steel or plastic smoother 200 mm.

Sponge trowel or mason's sponge (dry) for a non-slip finish.

Cleaning tools with water.



The Millimetric Decorative Mortar Morpheo M700F Fluide is made up of a two-component mortar applied in a thickness of 2 mm.

Apply a first coat of Morpheo M700 Classic with a consumption of approximately 2 kg/m² using a 6 mm notched comb, then smooth immediately with the smoothing tool until the streaks from the notched comb have completely disappeared.

In this case, smoothing must be carried out without delay, in the fresh Micro Concrete. This first layer determines the thickness and the final aesthetic effects.

24 hours after applying this coat (at 20°C, 60% relative humidity), it is possible to sand the surface to remove decorative effects or marked irregularities (grain 40) using a single-brush machine (or an orbital sander), then thoroughly remove dust mechanically.

Then apply two coats of Morpheo M700F Fluide with a consumption of 1 kg/m² per coat, using the Parfait'liss smoothing machine. The last coat determines the final grain of the coating and its aesthetic appearance.

It is important to note that a stainless steel application tool may leave dark marks (especially on light colors). A plastic tool may be preferred.

After 24 hours of drying (at 20°C, 60% relative humidity), sand the surface (grain 40) using a single-brush machine (or an orbital sander) then mechanically remove dust thoroughly.

The intensity of the sanding will finalize the surface appearance (grained or smooth) and bring out the material effects.

If the surface is deemed to be compliant, proceed with the application of the finishes.

3 possible finishes (refer to the Technical Sheets for these products):

- IF3 fixative
- Pore filler no. 5 + varnish no. 7 (combined use is mandatory to avoid whitening)
- Hydrolak 8 (HL8)

CONSUMPTION

FLOOR	4 kg/m ² for 3 layers	total thickness 2 mm
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DRYING TIME AT 20°C AND 60% RELATIVE HUMIDITY

OPEN TIME	Approximately 45 minutes
DRY TO THE TOUCH	4 hours
BETWEEN THE LAYERS	24 hours minimum
COMPLETE DRYING	2 days but mechanical resistance reached after 28 days

The surface must not be exposed to all stresses before the treatment system has completely dried, i.e. 7 days at 20°C and 60% relative humidity.

Between 2 days and 7 days, light traffic may be permitted with the following precautions: micro-breathable protective tarpaulins such as Landolt Floorliner Vapor, traffic in socks or overshoes. No exposure to water or chemical agents should be carried out, exclude friction and scratches of furniture. It is forbidden to apply adhesives to the coverings.

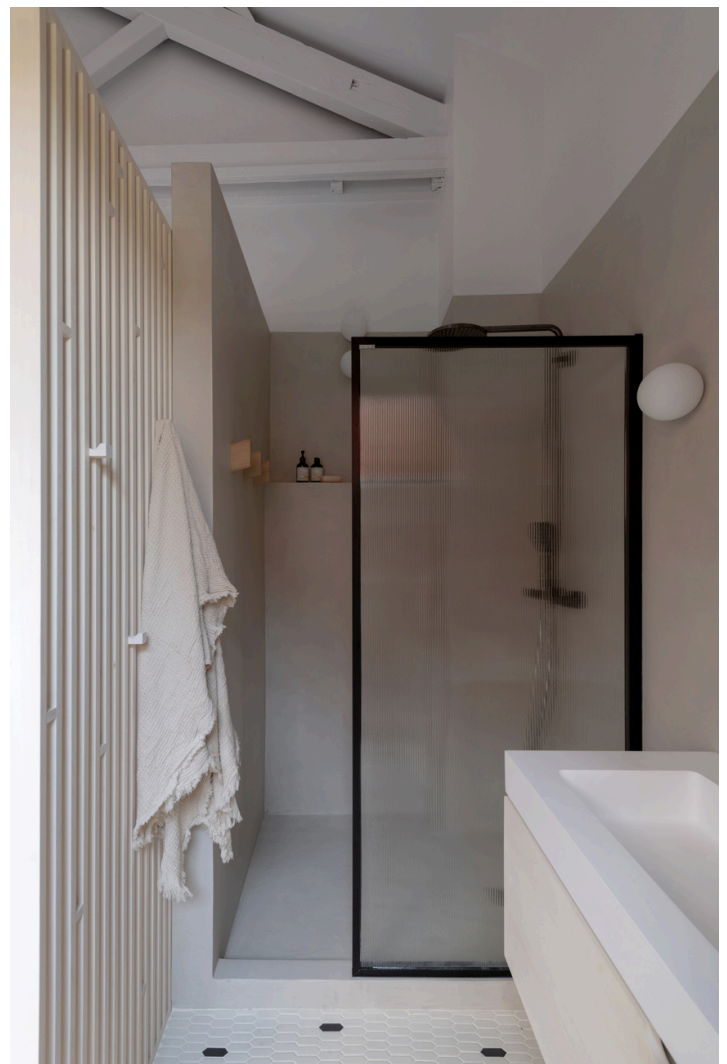
Do not lay carpet for 7 days.

IMPORTANT NOTE THREE:

The maximum hardness of the Morpheo M700F Fluide System is obtained after 28 days of drying.

The reception of the floor must take place immediately after the end of the work. The freshly completed Morpheo M700F Fluide System will be protected from the interventions of other trades by protective materials allowing ventilation (see Technical Data Sheet for Varnish No. 7 Visco, Fixative IF3 or HL8).

Delay before the first wet maintenance: 3 days minimum after applying Varnish No. 7, Fixative IF3 or HL8.



Based on the Test Reports of the CSTB (Scientific Technical Center for Building), Test Reports of the LNE (National Metrology and Testing Laboratory) and Test Reports of the Marius Aurenti Laboratory.

CSTB n° RA12-0208

CSTB n° RA20-0353

CSTB n° R2EM-11-26022578

CSTB n° R2EM-SIST-14-26047471

CSTB n° ES541200113

CSTB n° DSR-SIST-22-26085256

LNE n° CX 1600936

The company Matières Marius Aurenti declares that the Marius Aurenti Systems: Morpheo M700 Classic and Morpheo M700F Fluide with Marius Aurenti varnish finishes meet the following performance requirements (pages 13-14-15), according to the implementation recommendations.



Bending resistance (NF EN 13892-2)	16,8 N/mm ²
Compressive strength (NF EN 13892-2)	44,1 N/mm ²
Punching resistance (NF EN 13892-6)	293,5 N/mm ²
Surface hardness (NF EN 13892-6:2003)	119,1 N/mm ²
BCA wear resistance (NF 13892-8:2003)	0,08 mm
Impact resistance 1kg-200cm (NF EN ISO 6272)	No cracks
Adhesion force (NF EN 13892-8:2003)	2.5 N/mm ² Cohesive failure
Fire resistance (NF EN ISO 9239-1, NF EN ISO 13501-1 and NF EN ISO 11925-2)	Bf1-S1 (IF3, Visco n°7 and HR1)
Slip resistance (Maximum values achieved related to application methods) (XP P05-010 and XP P05-011)	PN 24 PC 20
Water permeability (NF EN 1062-3:2003)	0.08 kg/m ² .h0.5
Determination of the rolling of a chair with casters (NF EN 425: 2012) 25 000 cycles, 21°C, 55% HR, Fixatif IF3	Residual traces in the roller passage area

STAIN RESISTANCE (NF EN 423:2002)

Index according to NF EN 423	Test result after cleaning
0	Insensible
1	Not very sensitive
2	Sensible
3	Very sensitive

MICRO CONCRETE + IF3 FIXATIVE

	Exposure time to reagents			
Reagents	5 minutes	2 hours	6 hours	24 hours
Café	0	0	0	0
Tea	0	0	0	0
Oil (peanut)	0	0	0	0
Vinegar	0	0	0	0
Lemon juice	0	0	0	0
Red wine	0	0	0	0
Demineralized water	0	0	0	0
sparkling water	0	0	0	0
Shoe polish (black) *	0	0	1 (darkens pores)	1 (darkens pores)
Crushing a cigarette *	1 (yellow spot)	1 (yellow spot)	1 (yellow spot)	1 (yellow spot)
Ammonia 15%	0	0	0	0
Acetone*	3 (white spot)	3 (white spot)	3 (white spot)	3 (white spot)
Bleach - Sodium hypochlorite (12% solution)	0	0	0	0
Hydroalcoholic gel (70% ethyl alcohol)	1	2	3 (white spot)	3 (white spot)
Hydrochloric acid (20% solution)	0	0	0	0
Potassium hydroxide (30g/L solution)	0	0	0	0
Ammonium chloride (100g/L solution)	0	0	0	0
Sodium hydroxide (10% solution)	0	0	0	0
Acetic acid (5% solution)	0	0	0	0
Acetic acid (10% solution)	0	0	0	0
Ballpoint pen ink *	3	3	3	3

MICRO CONCRETE + VARNISH N°7

	Exposure time to reagents			
Reagents	5 minutes	2 hours	6 hours	24 hours
Café	0	0	0	0
Tea	0	0	0	0
Oil (peanut)	0	0	0	0
Vinegar	0	2 (darkens the tint)	2 (darkens the tint)	2 (darkens the tint)
Lemon juice	0	0	0	0
Red wine	0	0	0	0
Demineralized water	0	0	0	0
Sparkling water	0	0	0	0
Shoe polish (black) *	0	0	0	0
Crushing a cigarette *	1 (yellow spot)	1 (yellow spot)	1 (yellow spot)	1 (yellow spot)
Ammonia 15%	0	0	0	0
Acetone*	1 (white spot)	1 (white spot)	1 (white spot)	1 (white spot)
Bleach - Sodium hypochlorite (12% solution)	0	0	0	0
Hydroalcoholic gel (70% ethyl alcohol)	3 (white spot)	3 (white spot)	2	2
Hydrochloric acid (20% solution)	0	1 (darkens the tint)	2 (darkens the tint)	2 (darkens the tint)
Potassium hydroxide (30g/L solution)	0	0	0	0
Ammonium chloride (100g/L solution)	0	0	0	0
Sodium hydroxide (10% solution)	0	0	0	0
Acetic acid (5% solution)	0	0	0	0
Acetic acid (10% solution)	0	2 (darkens the tint)	2 (darkens the tint)	2 (darkens the tint)
Ballpoint pen ink *	3	3	3	3

(*): Study carried out on a panel of 12 recognized varnishes from the micro concrete (microcement) market.

From 2 hours of exposure:

Between 85% and 95% of varnishes on the market have vinegar or acetic acid stains (10% solution)

From 5 minutes of exposure:

More than 65% of varnishes on the market have acetone stains

More than 75% of varnishes on the market have cigarette stubbing stains

100% of the varnishes tested are sensitive to ballpoint pen ink

CE conformity marking, defined by Directive 93/68/EEC:



OCEAN Marius Aurenti
3 rue Brillat Savarin Rovaltain TGV Nord
BP 21034
26958 Valence cedex 9 FRANCE
17

IN 13813

MA's Micro Concrete

Reaction to fire: Bf1S1 Compressive
strength: C40 Flexural strength: F15
Wear resistance: AR1 Adhesion
strength: B2.0

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 and in the field, strives to make each place unique, beautiful and timeless.



www.mariusaurenti.com +33 (0)9 87 73 65 75