

MARIUS AURENTI



M350
ULTRA FIN

18,8 kg
41,45 lb

morpheo

- M350 Ultra Fin Millimeter Mortar
- LPA water-based polymer binder
- BLUSH Mineral Pigment Concentrate

3-component kit for floors, walls, bathrooms and furniture.

It allows for the finishing of surfaces in Morpheo M700 Classic (consumption M350: 1kg per m²).

Marius Aurenti decided to unify the messaging and develop a brand name for its decorative mortars.

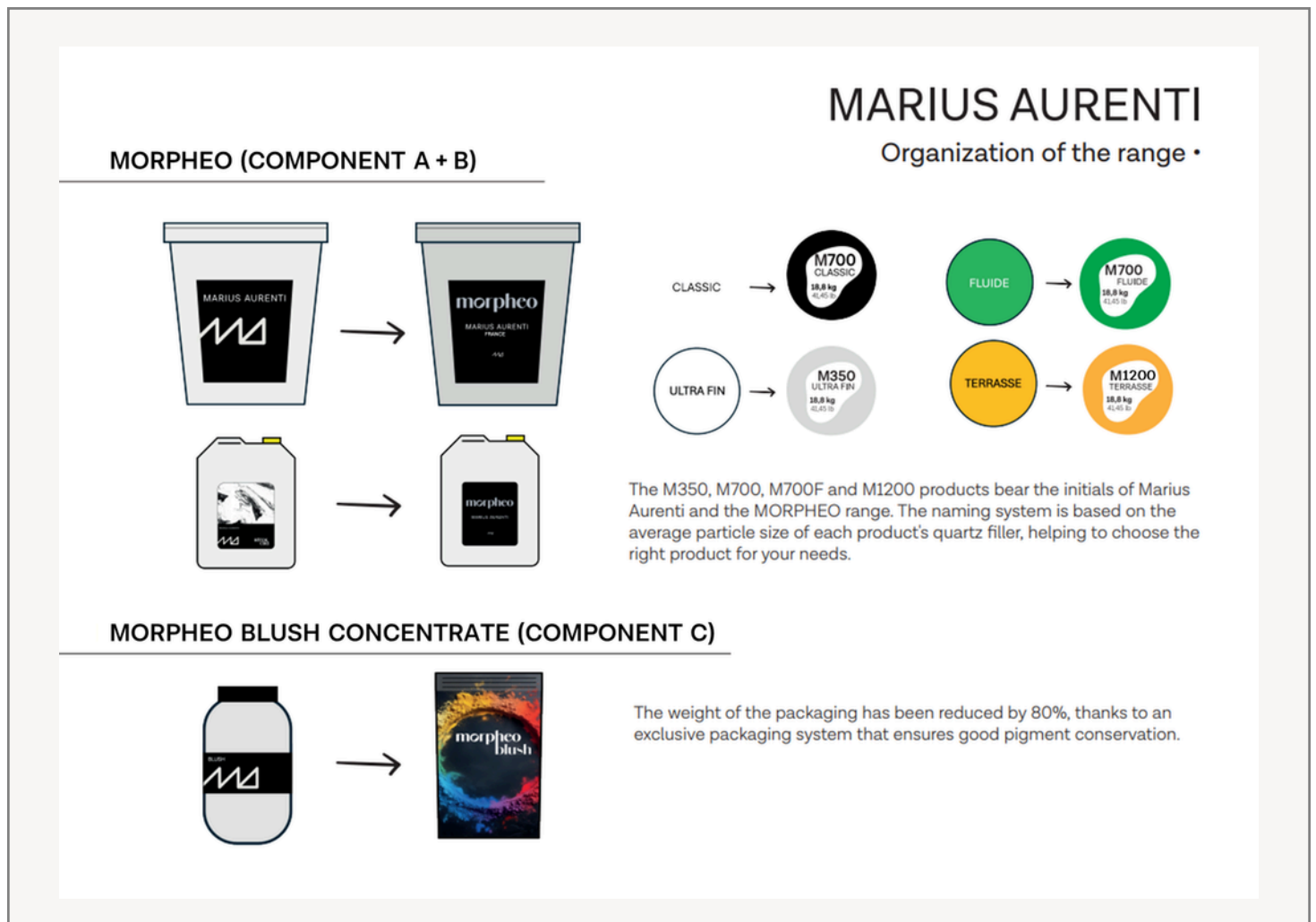
This name evokes the ability of these products to metamorphose a place, to give form to matter, and to transform spaces.

The new product line name is MORPHEO by Marius Aurenti.

This timeless, almost ancient sound carries within it the notion of metamorphosis. Etymologically, "morphé" means "the form", Morphéo is "he who gives birth to form".

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

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



High-tech mortar for finishing surfaces previously coated with 2 mm thick Morpheo M700 Classic. It provides a perfectly aesthetic, extremely smooth finish with excellent leveling on floors, walls, bathrooms, worktops, objects, etc.

It is available in 87 colors (MORPHEO BLUSH Mineral Color).

This product constitutes a finishing layer which provides a smooth texture to Marius Aurenti Microcement (refer to the System Sheet on the following page).

It will be necessary to choose the appropriate base coat (Morpheo M700 Classic) and protective coating (varnish, impregnation or wax) for the intended use and premises.

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

Packaging

3-component kit

- Morpheo M350 Ultra-Thin component A / 18.8 kg
- Morpheo LPA binder component B / 5.32 kg
- MORPHEO BLUSH Mineral Color / 1.2 kg



Features

The Morpheo M350 Ultra-thin System includes:

- a layer of substrate preparation
- a mass layer
- a finishing coat

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

	SUBSTRATE	TRADE NAME	NUMBER OF LAYERS	TOTAL CONSUMPTION
SUBSTRATE PREPARATION LAYER	New and old hydraulic supports	Porous Floors Primer	1 to 2 coats depending on the porosity of the surface	100 to 200g/m ² depending on the porosity of the substrate
	Tiles	Primary EPX2 Superior + SQ10	1 to 2 coats depending on the surface	1 to 1.5 kg/m ² of superior EPX primer 1 to 1.5 kg/m ² of sand
	Wood derivative (particleboard, MDF, plywood, etc.)	Primary Truly Universal	1 layer	100 à 120 ml/m ²
MASS LAYER	New and old hydraulic supports. Tiles. Wood derivatives (chipboard, MDF, plywood, etc.)	Morpheo Decorative Millimetric Mortar Morpheo M700 classic	2 to 3 layers	from 2 kg/m ² to 4 kg/m ²
FINISHING LAYER	Morpheo M700	Morpheo M350	1 to 2 layers	1 coat at 1 kg/m ² or 2 coats at 0.5 kg/m ²
PROTECTIVE LAYER	/	Hydrolak HL8 Varnish or I F3 Fixative	3 layers or ≥ 3 layers	250 to 300 g/m ² or 300 to 430 g/m ²

The Morpheo M350 Ultra-fine System + MORPHEO BLUSH Mineral Colour is available in 87 colours from the IRIS Marius Aurenti Colour Chart.

SUPPORT AND PREPARATION OF THE SUPPORT

Morpheo M700 Classic without any finish, applied in 2 mm thickness.

Before applying the layer of Morpheo M350 Ultra-thin, it is possible to sand the surface (80, 100 or 120 grit) or scrape the ridges with a utility knife and then dust with a vacuum cleaner.

Precautions

COLORS AND MIXTURES

To ensure color consistency, for the same project, use the same batch number of component A and the same batch number of MORPHEO BLUSH Mineral Color.

MORPHEO BLUSH Mineral Colors contain pigments, fillers, and additives in varying proportions to achieve a consistent rheology (fluidity and consistency) in the final product. Mixing the concentrates together is strictly prohibited.

Morpheo M350 Ultra-fine bases are semi-finished materials. It is essential to add a concentrate to ensure the full properties of Morpheo M350 Ultra-fine and the stability of the formula. Even in white, the addition of MORPHEO BLUSH Mineral Color in white is mandatory. Using the base alone without the concentrate alters the nature of the product and reduces the chemical and mechanical performance of the system.

The product must be used by strictly mixing the 3 components.

Never add water.

USES

Use in saunas and steam rooms is excluded.

Do not apply to solid wood, soft wood floors, plastics and textiles, unglazed terracotta, tomettes and gypsum fiber panels of the Fermacel type.

STORAGE AND SECURITY

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

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

For more information regarding safety, please refer to the Safety Data Sheet.

The preparation is carried out using a dry mix (allows the kit to be used in several stages) or a wet mix (complete use of the kit).

DRY MIX

In the case of a dry mix, always mix the base and concentrate thoroughly before proceeding with any possible division.

- Roll the base bucket to aerate and soften the material
- Open the base bucket and make a slight indentation in the center of the base
- Shake the jar of concentrate and open it
- Pour the concentrate into the center of the base bucket
- Secure the bucket with your feet and mix the base and concentrate (ideally with a mixer for pasty products, contact us for prices)
- Immerse the blender and gradually increase the speed

Continue mixing using straight and angled vertical and lateral movements to thoroughly blend the contents. Pay particular attention to the edges at the bottom of the container to ensure these hard-to-reach corners are not missed. For your first few mixes, we recommend pouring the blended contents into a bucket of the same size to visually check the quality of the mixture and repeat it if necessary. The mixing time should be at least 1 minute.

- Add component B (liquid) to the prepared quantity of powder: base (component A) + MORPHEO BLUSH Mineral Color, perfectly mixed according to the instructions in the table below:

COMPONENT B (LIQUID) IN KG	COMPONENT A + MORPHEO BLUSH MINERAL COLOR (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 preservation of the materials once mixed dry is not altered by mixing if the buckets (base + concentrate) are closed and stored under the normal recommended conditions.

WET MIXTURE

- Pour the liquid portion (component B, 5.32 kg) into a clean, empty bucket
- Shake the jar of MORPHEO BLUSH Mineral Color and open it
- Pour the MORPHEO BLUSH Mineral Color into the liquid
- Secure the bucket and mix at a gradually increasing speed until the liquid and 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



HUMIDITY

The application of the Morpheo M350 Ultra-thin System must be carried out in an ambient relative humidity range of between 30% and 80% except for varnishes which require a humidity range above 40% and below 80% ideally between 50% and 65%.

Humidity conditions must be maintained for at least 48 hours after application of the last coat.

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

Before any application, check the moisture content of the substrate (maximum 4% moisture and $\leq 0.5\%$ for liquid screeds based on calcium sulfate).

TEMPERATURE

Before beginning any application, it is essential to check the substrate temperature and the ambient temperature. The substrate temperature 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 above the dew point.

The Morpheo M350 Ultra-thin System can be applied at ambient temperatures between 5°C and 25°C for Microcement 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 respectively slow down and accelerate the setting process. Application should not be carried out in freezing weather or extreme heat. Provide heating or cooling systems if the worksite requires them.

APPLICATION EQUIPMENT

Trowel, notched comb 6 mm triangular teeth, (first coat only).

Perfect'Liss 35cm smoother or stainless steel or plastic 200mm smoother.

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

Clean the tools with water.



Apply a first coat and possibly a second coat of Morpheo M350 Ultra-thin in a thin layer using a Parfait'Liss-type trowel. These finishing coats determine the final texture of the coating and allow for smoothing. These coats should be applied with the trowel in the same direction as the Morpheo M700 Classic coats.

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

After 24 hours of drying (at 20°C), sand the surface (80 grit then 100 grit then 120 grit) using an orbital sander (or a single-disc floor machine) then remove dust using a vacuum cleaner.

The corners must be sanded by hand. The intensity of the sanding will determine the final surface finish (textured or smooth) and bring out the material's texture. If the surface is deemed satisfactory and compliant, proceed with applying the protective coatings.

4 possible protections (refer to the Technical Data Sheets for these products):

Internal protections:

- IF3 matte or silky matte hairspray
- Hydrolak HL8 varnish

External protection:

- Terrace and Pool Impregnation

CONSUMPTION

DESTINATION	DETAILED DESCRIPTION	WAXED CONCRETE CONSUMPTION / M2	THICKNESS	SURFACE MADE FOR 1 KIT + BLUSH
Dry decorative wall	Interior wall on a smooth surface	2 to 4 kg/m ² for 2 to 3 coats of M700 Then 1 kg/m ² for 1 coat M350 or 0,5 kg/m ² pour 2 couches M350	1 to 2 mm	from 6.5 to 12 m ²
Residential flooring	Screed with or without heating in residential premises			
intensive floor and wall	Interior or exterior paving; Flooring on screed in public access buildings; Existing tiles on epoxy; Floors and walls exposed to water; Exterior walls on poured concrete (excluding seafront areas); Furniture		env 0,7 mm	24m2 env

DRYING TIME AT 20°C AND 60% RELATIVE HUMIDITY

OPEN TIME	25 to 30 minutes
DRY TO THE TOUCH	4 hours
BETWEEN THE LAYERS	minimum 24 hours
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 and 7 days, light traffic is permitted with the following precautions: use of breathable micro-protective tarpaulins such as Landolt Floorliner Vapor, and wear of socks or overshoes. No exposure to water or chemicals is allowed, and avoid rubbing or scratching furniture. Applying adhesives to the floor coverings is prohibited.

Do not lay down carpet for 7 days.

IMPORTANT NOTE:

The maximum hardness of the Morpheo M350 Ultra-thin System is achieved after 28 days of drying.

The floor must be handed over immediately after the completion of the work. The newly installed Morpheo M350 Ultra-thin System will be protected from work by other trades using protective materials that allow for ventilation (see Technical Data Sheet for Hydrolak HL8 Varnish and IF3 Fixative).

Time before the first wet maintenance: minimum 3 days after applying Hydrolak HL8 Varnish or IF3 Fixative. Follow the instructions in the Marius Aurenti maintenance booklet

Technical data and performance

PRODUCT APPEARANCE

Component A: colored powder; Component B: white liquid; Mixture: thixotropic mortar

DENSITY A+B (AT 20°C)

Approximately 2.1

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.



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