

# EBC - COLOURED CONCRETE

## PRODUCT DESCRIPTION

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- The Coloured Concrete EBC or Trowelled Concrete TC is a coloured decorative finishing mortar with a very fine grain. It is obtained by mixing powder and liquid resin.
- Its exceptional adhesion qualities on most surfaces even without a primer as well as its waterproof qualities make it an ideal material for implementation on floors, walls, counters, showers, exterior terraces etc.
- It is applied in several thin layers (1 to 3 mm) with the help of a trowel. This material can be used for renovations without preliminary heavy preparation work: from 1-1.5 mm for wall decoration and countertops on smooth seamless surface (medium type) to 2 mm on floors / 2 mm on tiles and for showers / 3 mm for exterior floors.
- Like all the layered polished concrete, the colour shades may be different depending on tint and application conditions.

## APPLICATION AREAS

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- Walls and floors with pedestrian traffic
- Interior (1 to 2 mm according to the use) / Exterior (3 mm minimum).

## SURFACES

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- Tiles and cement tiles.
- Cement
- Plasterboard (BA13) waterproof or not.
- Plaster and gypsum blocks.
- Screeds and anhydrite screeds (after primer).
- Lightweight/aerated concrete.
- MDF, waterproof, marine plywood or laminate. NB: Such supports demand particular attention in terms of preparation (please, consult your distributor)
- Can be applied for areas in direct contact with water.
- NB: this product is not a waterproofing product in its pure meaning according to D.T.U. – the French Building Code regulations. When used for showers, waterproofing must be performed beforehand with the help of a waterproofing system (Liquid Waterproofing System for example).
- The product can be used on hot-water powered floor heating and electric floor low-pressure and low-temperature heating.
- Other surfaces: please, contact us for assistance

## NECESSARY TOOLS

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- The surface has to be resistant, non-friable, stable, dry and cohesive (1 MPa cohesion is necessary).
- The surface must be free of dust, clean, healthy and free of loose parts. It is essential to clean the surface from any traces of oil, grease, laitance etc.
- Scrape off paint, plaster, concrete laitance and traces of glue.
- Fill holes and cracks with a suitable product or our Coloured Concrete EBC or Trowelled Concrete TC.
- If your surface is cracked or uneven, we recommend that you make a fiber patching beforehand (please, contact us) to level the surface. This will facilitate implementation and contribute to a more aesthetic rendering.
- Specifics by surface:
  - a) Tiles: probe tile's cohesion, remove loosen tiles and fill in their spaces. After cleaning use the acetone or caustic soda lye in order to remove fat remains and insure best possible adhesion. Then rinse and leave to dry.
  - b) Anhydrite screed (based on calcium sulfate): wait at least for 8 weeks (according to D.T.U. – the French Building Code regulations) before covering over and measure residual moisture – it must be inferior to 0.5% according to technical specifications of screed manufacturers (use calcium carbide test).
  - c) Hydraulic screed (cement...): wait for at least 28 days (according to D.T.U. – the French Building Code regulations) before covering over and measure residual moisture – it must be inferior to 4.5%.
  - d) Adjuvant hydraulic screed (cement...): generally allows a faster coating, but refer to technical specification of a manufacturer before coating.
  - e) New floor heating systems: carry out a preliminary heating (refer to technical specification of a manufacturer).
  - f) Floor heating system (new or old): heating must be turned off 48 hours before product application.
  - g) Room heating, turn off one day before product application.
  - h) 'Ready to tile': these types of surface may present some inconveniences, namely:
    - certain suppleness of the surface may persist despite the implementation of the Coloured Concrete EBC or Trowelled Concrete TC by 2mm: in this case further surface preparation will be necessary for the application of the Coloured Concrete EBC or Trowelled Concrete TC to retrieve hardness of the surface (otherwise there is a risk of cracks, delamination or punching). Besides, remain alert of falling objects since those may cause serious punctures;
    - on certain surfaces of this type the boards of sluiceways designed for implementation with tiles are too high for application of Coloured Concrete EBC or Trowelled Concrete TC. In this case it will be necessary to rebuild a slope for exactly 2 mm using a mortar suitable for support.

There are 3 options to deal with these:

A) Make a resin mortar with product MULTITOP (les 3 Matons). MULTITOP is an eco-friendly mineral mortar, combining cement and lime used for resurfacing both interior and exterior. Mix MULTITOP with binder and water (Cf. Technical data sheet of MULTITOP) and apply the product in 2 coats in order to obtain a final thickness of 0.5 cm

B) Or make a sanded Epoxy Primer

C) Lay inexpensive tiles to stabilise the surface

i) Exterior floors: please, contact us. Avoid using on terraces in the middle of a garden under a risk of rising damp –capillary moisture is 'blocked' by anti-stain protection and might cause problems.

Primer to be used: Textured All-Surface Primer.

j) Washbasins, shower trays ...: be careful preserve a necessary drain water slope and to avoid water stagnation since it might cause later whitening of protection.

## SUMMARY PRIMERS

Concrete, cement	Moisten completely the day before and re-moisten just before application or use Textured Multi-Support Primer (primers allowing the best preservation of colours).
Plaster tiles, aerated concrete	Textured All-Surface Primer followed by the 1st layer of Coloured Concrete EBC or Trowelled Concrete TC the day before.
Plaster	Textured All-Surface Primer: dilute the product with 20% of water.
Anhydrite screed	Textured All-Surface Primer: the surface must be free from dust and laitance. Screed moisture must be inferior to 0.5% (use calcium carbide test). Place the 1st layer diluted with 20% of water and place the 2 <sup>nd</sup> one, non-diluted.
Drywall, waterproof or not	Use Acrylic Primer or oil-based paint.
Tiles & interior cement tiles	Textured All-Surface Primer (the use is optional depending on seams' depth and desired application comfort) + the 1st layer of Coloured Concrete EBC or Trowelled Concrete TC the day before.
Exterior tiles	Textured All-Surface Primer + first layer of Coloured Concrete EBC or Trowelled Concrete TC the day before (1 mm).
'Ready to Tile'	Contact us and/or Cf. "Surface preparation and primers" above
MDF, waterproof, marine or layered plywood etc.	Textured All-Surface Primer.
Shower, washbasin ... and non-waterproof surface	Liquid Waterproof Primer (PEL) MERCADIER can be used instead of preparation and other primers.

## MIX PREPARATION

- A kit includes: a bucket of powder and a can of liquid.

-These two components should never be used separately. No other product (i.e. water ...) should be added and the proportions indicated below must be met.

-At your working site, it is preferable to use kits of the same format to ensure uniformity in the resulting colour. If this is not possible, it is preferable to use the complementary kits for the 1st layer to keep the kits of the same format for the second layer.

-To greatest possible extent and if your mixer allows, stir the powder into your bucket before mixing to maximize the homogenisation of the powder.

Note: We strongly discourage to mix the whole kit at once because the solidification time of the product, once mixed, is short (from 1 hour at 5 °C to only 30 min at 20 ° C, for example).

- Instead prepare a batch of several kilogrammes according to the scale shown in the table of mixtures below.

1) Identify the category of your colour (A, B or C) and the nature of the base used (B or G) in the main grid.

2) Shake vigorously the already coloured jerrican or, if necessary, after incorporating the colour dose, until you obtain a homogenous liquid.

3) Weigh each component, respecting the proportions of the table below and according to the surface to be covered.

4) Then thoroughly mix the two components (resin powder) with the electric mixer at low speed, until you acquire a homogenous paste (no lumps) and a uniform colour.

#### Consumption for 0.5mm of thickness (estimated):

Surface in m <sup>2</sup> per mm	Powder (kg)	<b>Liquid (kg) Colours</b>		
		(precise table of mixes by colours available upon request)		
		Group A nuancier classique	Group B nuancier classique	Group C nuancier classique
1m <sup>2</sup>	0,87	0,20	0,21	0,21
1.3m <sup>2</sup>	1,075	0,25	0,25	0,275
2.6m <sup>2</sup>	2,15	0,5	0,5	0,55
5.2m <sup>2</sup>	4,3	1,0	1,0	1,1
7.6m <sup>2</sup>	6,6	1,5	1,6	1,6
10m <sup>2</sup>	8,7	2,0	2,1	2,1

NB : To be much more specific, please use the weighing grid at the end of the document

## APPLICATION

- Application temperature: 5 to 25°C.

- Avoid exposure to wind and sun at the moment of application and during the drying period. If indoors, close the shutters and fasten the windowpanes, and avoid the air currents.

- Attention, high humidity may cause an efflorescence phenomenon (appearance of brighter spots). If the temperature is too low (-10 °C) and/or if there is an excessive humidity, it is advisable to leave a heater on in a working room to avoid this.

- Keep to existing screed or slab expansion joints.

- Keeping to the highest allowed thickness will help ensure longer lifespan and application in 3 coatings is necessary in certain cases to 'close' more the product to obtain more stain-resistant surface.

### **Application in 1,5 to 2 mm : (floors, showers, tiles, countertops...)**

(Applying in 2mm will guarantee more hardness. Applying 3 layers will make the result smoother and will facilitate cleaning)

- **First Layer:**

- Place a layer of an inferior thickness (about 1 mm) than the desired final layer using a stainless steel trowel. This layer brings along the material and will serve to grip the final layer. On tiles, this layer is essential and limits the spectrum phenomenon (seams).

- As soon as a fingerprint leaves no mark but the product is still fresh enough to be smoothed, slightly scrub this first coating with a slightly moistened sponge to flatten the surface. Warning: do not wet the surface, only smooth and flatten it, without tightening the grain. This procedure must be done very lightly, especially on dark colours, not to leave any traces. (Note: Never scrub the top layer - risk of whitening).

This first layer must harden completely before placing the following one. Leave it to dry for at least 6 to 24 hours (24 hours obligatory for tiles).

- **Second and Third Layers:**

- Very lightly sand the surface before application of the 2nd/3rd layer.

- Place the second layer of about 0.5 mm. Monitor the hardening of the product. As soon as a fingerprint leaves no trace, you can apply the third layer.

### **Doing 'fresh into fresh' :**

- Ideally the third layer should be applied "in fresh". Applying the third layer in fresh allows a greater application comfort and a smoother and more uniform rendering. Also, it will bring more hardness and will help 'close' the grain. With dark colours their lightening may occur.

- At this stage it is important to monitor well the hardening of the product. This depends on room temperature and application conditions but hardening usually occurs between 15 minutes and 1 hour after application. The perfect hardening time is when a finger leaves no footprint on the surface.

- The manner in which this layer is applied (movement of the trowel) contributes to the final output.

- Small crossed passes will give a more nuanced rendering and marble effect after 'closing' and sanding.

- Application with vast movements will give it a more uniform rendering.

Doing several hours later:

- In case it is impossible to apply the third layer in fresh, proceed in the same way as you did for your second coat, but with a thin layer to have a nice and tight surface.
- Contrary to the application 'in fresh', in order to achieve the trowelled effect the sanding and 'closing' is indispensable for this second layer.

The total thickness of the three layers should in general be 2 mm.

If necessary, you can apply a total thickness of 6 mm, but do not exceed 3mm per layer.

Important: in order to achieve a high level of resistance to stains of the protection system, the product must be well "closed" during the application process "fresh into fresh".

Application in 1mm: decorative walls and countertops on smooth and uniform surface (seamless)

Proceed in the same way as the second and third layers of the previous method.

Application in 3mm (outdoor floors): it is difficult to apply the product with a thick layer due to its fineness. Thus, it is recommended to proceed in the same way as for 2 mm application but placing the first layer with the help of a notched trowel for tiles.

The product must be protected from moisture, frost, wind and sun during setting and hardening. Do not use any plastic film or watertight plastic that will impede product hardening in normal conditions.

## FINAL DRYING / SANDING

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- Outdoors the coating can withstand rain 6 hours after application (at 20 °C) which will not entail changes in mechanical properties. Caution: raindrops might lead to appearance of clearer spots. Thus, it is preferable to protect the surface.

- The day after the application, the product must be sanded (grain between 80 and 150) to soften and 'close' the grain.

Sanding can be done:

a) Manually: rendering will be more uniform;

b) Mechanically: the procedure will be faster but rendering will be more nuanced.

- Sanding provides a softer, smoother result. It also intensifies the effects of materials. Take it into account if a more uniform rendering is desired.

- In case of floor implementation you should ideally walk in socks.

- Restart the heating (floor or room heating) gradually 48 hours after application. This must be done before the use of sealers.

- The coating will reach its highest resistant capacity in 28 days.

## FINISH / PROTECTION AND TREATMENT

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- It is obligatory to treat the surface with one of our finishing products.

- The treatment is chosen according to the use of the place (refer to sealers overview, contact us) and contributes to the lifespan of the product.

- The treatment must be applied 5 days later, at 20 °C. It is imperative to check before the residual moisture content (<1%), the ground temperature and the ambient temperature.

- Protect the EBC/TC with the adapted system according to the project:

\* Impregnator Sealer + Mono Aqua Varnish: Room floors

\* Impregnator Sealer + Solvent-based Protector: Bathrooms and outdoor surfaces

\* Impregnator Sealer + Bicomponent Solvent-based Varnish: Countertops and wash basins

\* Impregnator + Bi Aqua Varnish : Floors with high traffic

- Wait 1 week before a normal traffic. During the first 10 days, take precautions: do not cover, do not put any carpets, do not move some heavy furniture, dry clean.

- Outdoors the colours may slightly change with time.

- The maximum hardness of layered polished concrete is reached 28 days after the sealer sets.

- Regular maintenance is necessary. Its frequency is varied depending on how the area is used and also on a selected sealer. To preserve the product and its sealer, it is recommended:

\* To place the felt pads under the legs of the furniture, chairs etc.

\* Not to leave any coloured water spots or grease stains (wipe them out as soon as possible).

\* To clean surfaces with a shampoo Mercadier.

## RENDEMENT, CONDITIONNEMENT & CONSERVATION

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- Coverage: a little over 2.1 kg/m<sup>2</sup>/mm



- The kit includes: a bucket of powder and a can of liquid.

**Kits :**

	1mm thickness	1,5mm thickness	2mm thickness	3mm thickness
<b>The ShoT 5,35kg</b>	2,5m <sup>2</sup>	1,9m <sup>2</sup>	1,3m <sup>2</sup>	0.8m <sup>2</sup>
<b>Kit 13,4 kg</b>	6,4m <sup>2</sup>	4,8m <sup>2</sup>	3,2m <sup>2</sup>	2.1m <sup>2</sup>
<b>Kit 29,5 kg</b>	14m <sup>2</sup>	10.5m <sup>2</sup>	7m <sup>2</sup>	4.6m <sup>2</sup>

- The product can be kept for 1 year in its original unopened packaging in a place protected from moisture.

## MECHANICAL PROPERTIES

The coating will reach its maximum resistance capacity after 28 days.

The CEBTP-Solen (Experimental Centre for Research and Studies of Building and State Construction - Laboratory Materials) has tested our products according to current standards, and has evaluated the technical capabilities of our products on the following criteria: adhesion / compression resistance / abrasion (TABER) / punching (ZWICK), report No. BMA1-7-4142:

- Adhesion test consists in verifying the tear strength of the product relative to its support. Traction is performed 35 days after application of the product.
- Flexion resistance test/compression determines the weight limit before fracture of the material in flexion and in crushing.
- Abrasion test determines the resistance to wear by friction and is carried out 28 days after product application.
- Punching test determines the resistance to punching and consequently the hardness of the product.

**Examples of Mechanical Resistance according to the French standard NF 196.1 (values given for information only after 28 days):**

	Cocomilk	Nautilus
<b>Compression</b>	34 à 50 MPa	45 à 55 MPa
<b>Flexion</b>	10 à 13 MPa	10 à 16 MPa

## TIPS

- In hot weather the night before application store the liquid of the working materials in the refrigerator in order to slightly extend application time, and store the powder in a cool place.
- If you work on a wall or a vertical surface, proceed from bottom to top with crossing movements for the first layer and from top to bottom for the second layer.
- Use masking adhesive tape (scotch) to clearly outline the area to be coated. Caution: remember to remove the tape before the complete drying of the coating. Repeat for each layer.

## RELATED PRODUCTS

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- Primers: Textured All-Surface Primer, Waterproofing Primer, Sanded Epoxy Primer
- Sealers:
  - \* Impregator Sealer + Mono Aqua Varnish: Room floors
  - \* Impregator Sealer + Solvent-based Protector: Bathrooms and outdoor surfaces
  - \* Impregator Sealer + Bicomponent Solvent-based Varnish: Countertops and wash basins
  - \* Impregnator sealer + Bi Aqua Varnish : Any type of work - high traffic
  - \* Metallic repair product: to clean PU varnishes
  - \* Solid wax from "Les Trois Matons" for shower and countertops cleaning

## RECOMMENDATION AND WARNING

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- See the most recent version of this technical specification (see website). Our distributors and technical support are at your disposal for any clarification.
- Decorative coating such as layered polished concrete is the material with a 'continuous aspect', seamless and almost without fractionation. Having certain flexibility, they accept a slight surface deformation, but up to a certain extent. Thus, this decorative material is sensitive for surface movements (similarly to paint or any other decorative coating). If the surface suffers from substantial differential movements, decorative coating might become cracked despite any precaution measures taken while laying the product.
- Performance and durability guarantees for the decorative coating may be given only in case a complete system of MERCADIER products is used (primer, product itself, sealer) and strictly according to instructions for application and maintenance of the system. Thus, the manufacturer will not be liable for poor product's performance if an application did not conform to our instructions and if the integral system was not used.
- All the information, tips and advice relative to final illustration of MERCADIER products are given in good faith. They are based on knowledge and experience that MERCADIER has acquired so far regarding its products that were appropriately stored and handled, and applied in normal conditions. In practice, the differences between materials, surfaces and specific application conditions are such that provided information, written recommendations or given advice do not imply any warranty of merchantability other than the legal warranty against hidden defects.
- Colours and aspects in our colour charts are indicative, and cannot be considered as contractual. The same is applied for boards and panels displayed at retail outlets. It is preferable to use identical samples as much as possible. These products lead to results with subtle differences that can also arise depending on application conditions (applicator's gestures, temperature etc).

## SAFETY / PRECAUTIONS

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Powder – Component A:

Danger mentions:

- H315 Irritating to skin
- H317 Allergy to skin
- H318 Risk of serious eye damage.
- H335 Irritating to respiratory system - Wear suitable protection.

Contains: 266-043-4: Portland cement, chemicals products

Liquid – Component B:

- EUH208: Contains 1.2 – benzisothiazol-3 (2H)-one, mixture of: 5-chloro-2-méthyl-2H-isothiazol-3-one [No. CE 247-500-7] et de 2-méthyl-2H-isothiazol-3-one [No. CE 220-239-6] (3:1).

Can produce an allergic reaction

COV : 2.5%



In accordance with the new French regulations that establish limit value for the VOC (Volatile Organic Compound) present in constructions materials, this product MERCADIER respects the environment. This regulation states that construction and decoration products must be provided with a label indicating the level of volatile organic compound emission in a simple and readable way. We have the pleasure to confirm that this product is A+ (the lowest possible VOC emission value).

The information contained in this data sheet reflects our best knowledge and of our knowledge and test results, and may under no circumstances be regarded as be considered either as providing a guarantee, or as engaging our responsibility in the event of faulty application.

## Colours Grid :

## La Collection

COULEUR	BASE	COLOUR GROUP		COULEUR	BASE	COLOUR GROUP
Alain	GRIS	C		Mon Vitrier	BLANC	A
Amande	BLANC	A		Mulot	BLANC	B
Arapawa	BLANC	A		Namib	BLANC	C
Atacama	BLANC	B		Nil	BLANC	A
Atlas	BLANC	C		Noir Extra	GRIS	C
Avant L'Orage	GRIS	C		Noisette	BLANC	A
Axel	GRIS	C		Ok	BLANC	C
Baklajan	GRIS	C		Ottomane	BLANC	C
Belle Etoile	GRIS	C		Palace	BLANC	B
Béton	BLANC	B		Peggy	BLANC	C
Bioutifoul	BLANC	C		Pepito	GRIS	B
Bitume	BLANC	C		Pepper	GRIS	C
Blush	BLANC	C		Petale	GRIS	B
Boudoir	GRIS	C		Petra	BLANC	C
Brouillard	BLANC	A		Pignon	GRIS	C
Brume	BLANC	A		Pompadour	BLANC	A
Bryce	GRIS	C		Poupee	BLANC	A
Cappadoce	BLANC	C		Prune	GRIS	C
C'Est Balaud	BLANC	A		Raisin	BLANC	C
Chiffon	GRIS	B		Roland	GRIS	C
Cocomilk	BLANC	A		Ruban De Velours	GRIS	C
Colonel	BLANC	C		Russule	BLANC	A
Crumble	BLANC	B		Rustrel	BLANC	C
Cuir	GRIS	B		Salina	GRIS	C
Curacao	GRIS	C		Sari	BLANC	C
Denim	GRIS	C		Scarlette	BLANC	C
Douceur	BLANC	B		Sheffield	BLANC	C
Factory	GRIS	B		Sugar	BLANC	A
Graphite	BLANC	B		Tajine	BLANC	B
Grenat	GRIS	C		Tasmanie	BLANC	C
Helios	BLANC	B		Taupe	BLANC	C
Hoggar	BLANC	C		Tikal	GRIS	C
Hollywood	BLANC	C		Tino Rosso	GRIS	B
Hubert	BLANC	C		Titouan	BLANC	C
Ink	GRIS	C		Toast	GRIS	C
Isla Nublar	BLANC	C		Turf	GRIS	C
Las Vegas	GRIS	C		Turkis	BLANC	C
Little Sister	BLANC	C		Vénus	BLANC	A
Livingston	GRIS	C		Wasabi	BLANC	C
Marguerite	GRIS	A		Yabon	GRIS	C
Mécanique	BLANC	C		Yourte	BLANC	B
Michaël	BLANC	A		Yuma	BLANC	B
Mignon	BLANC	B		Zinc	BLANC	C
Moket	BLANC	C		Paris	BLANC	A

## Colours Grid:

Les 20 ans

COULEUR	BASE	COLOUR GROUP
Gelato	BLANC	A
Fernand	BLANC	A
Ecume	BLANC	A
Nougat	BLANC	A
Crique	BLANC	A
Mon étoile	BLANC	C
Cap Roux	BLANC	C
Alberte	BLANC	C
Bisou	BLANC	A
Délice	BLANC	A
Agave	BLANC	B
Laurier	BLANC	B
Ciste	BLANC	A
Joubarbe	BLANC	C
Grand Pin	GRIS	C
Figuier	BLANC	C
Picnic	BLANC	C
Trempette	BLANC	A
Golfe clair	BLANC	A
Miramar	BLANC	C

## Specific Colours Grid (optional use)

Kg de Poudre →	0,100	0,150	0,200	0,250	0,300	0,400	0,500	1,000	Taille Essai	1,500	2,000	2,500	3,000	3,500	4,000	1e/shot	4,500	5,000	Mini	19,6	24
Alain	0,025	0,037	0,050	0,062	0,075	0,100	0,125	0,250	0,272	0,375	0,500	0,625	0,750	0,874	0,999	1,087	1,124	1,249	2,717	4,891	5,977
Amande	0,023	0,035	0,046	0,058	0,069	0,093	0,116	0,231	0,252	0,347	0,463	0,578	0,694	0,810	0,925	1,006	1,041	1,156	2,515	4,527	5,534
Arapawa	0,024	0,036	0,047	0,059	0,071	0,095	0,119	0,237	0,258	0,356	0,475	0,593	0,712	0,831	0,949	1,033	1,068	1,187	2,581	4,646	5,679
Atacama	0,025	0,037	0,049	0,061	0,074	0,098	0,123	0,245	0,267	0,368	0,491	0,613	0,736	0,858	0,981	1,067	1,104	1,226	2,667	4,801	5,868
Atlas	0,026	0,039	0,052	0,065	0,078	0,105	0,131	0,261	0,284	0,392	0,523	0,654	0,784	0,915	1,046	1,137	1,176	1,307	2,843	5,118	6,255
Avant l'Orage	0,025	0,038	0,051	0,064	0,076	0,102	0,127	0,254	0,277	0,382	0,509	0,636	0,763	0,891	1,018	1,107	1,145	1,272	2,767	4,981	6,088
Axel	0,025	0,037	0,050	0,062	0,074	0,099	0,124	0,248	0,270	0,372	0,496	0,620	0,744	0,868	0,992	1,079	1,116	1,240	2,697	4,854	5,933
Baklajan	0,025	0,038	0,050	0,063	0,075	0,100	0,126	0,251	0,273	0,377	0,502	0,628	0,753	0,879	1,005	1,093	1,130	1,256	2,731	4,917	6,009
Belle Etoile	0,025	0,038	0,050	0,063	0,076	0,101	0,126	0,252	0,275	0,379	0,505	0,631	0,757	0,883	1,010	1,098	1,136	1,262	2,745	4,941	6,039
Béton	0,024	0,036	0,048	0,060	0,072	0,096	0,120	0,240	0,261	0,360	0,480	0,600	0,720	0,840	0,961	1,045	1,081	1,201	2,612	4,701	5,745
Bioutifoul	0,025	0,037	0,050	0,062	0,075	0,099	0,124	0,248	0,270	0,373	0,497	0,621	0,745	0,869	0,994	1,081	1,118	1,242	2,702	4,863	5,943
Bitume	0,025	0,037	0,049	0,062	0,074	0,099	0,124	0,247	0,269	0,371	0,494	0,618	0,741	0,865	0,989	1,075	1,112	1,236	2,688	4,838	5,913
Blush	0,025	0,037	0,050	0,062	0,075	0,100	0,125	0,249	0,271	0,374	0,499	0,624	0,748	0,873	0,998	1,085	1,123	1,247	2,713	4,883	5,968
Boudoir	0,025	0,037	0,050	0,062	0,075	0,099	0,124	0,249	0,270	0,373	0,497	0,621	0,746	0,870	0,994	1,081	1,119	1,243	2,703	4,866	5,947
Brouillard	0,024	0,035	0,047	0,059	0,071	0,094	0,118	0,235	0,256	0,353	0,471	0,588	0,706	0,823	0,941	1,023	1,059	1,176	2,559	4,606	5,629
Brume	0,023	0,035	0,047	0,058	0,070	0,093	0,116	0,233	0,253	0,349	0,465	0,581	0,698	0,814	0,930	1,012	1,047	1,163	2,529	4,553	5,565
Bryce	0,026	0,038	0,051	0,064	0,077	0,102	0,128	0,255	0,278	0,383	0,510	0,638	0,766	0,893	1,021	1,110	1,148	1,276	2,776	4,996	6,106
Cappadoce	0,025	0,038	0,050	0,063	0,076	0,101	0,126	0,252	0,274	0,378	0,504	0,630	0,756	0,881	1,007	1,095	1,133	1,259	2,739	4,930	6,025
C'Est Balaud	0,023	0,035	0,047	0,058	0,070	0,094	0,117	0,234	0,254	0,351	0,468	0,585	0,702	0,819	0,936	1,018	1,053	1,170	2,544	4,580	5,598
Chiffon	0,024	0,036	0,048	0,060	0,072	0,096	0,120	0,240	0,261	0,360	0,480	0,600	0,720	0,840	0,960	1,044	1,080	1,200	2,610	4,699	5,743
Cocomilk	0,023	0,035	0,046	0,058	0,069	0,092	0,115	0,230	0,250	0,345	0,460	0,575	0,691	0,806	0,921	1,001	1,036	1,151	2,503	4,506	5,507
Colonel	0,025	0,038	0,051	0,063	0,076	0,101	0,126	0,253	0,275	0,379	0,505	0,632	0,758	0,885	1,011	1,099	1,137	1,264	2,748	4,947	6,046
Crumble	0,024	0,036	0,049	0,061	0,073	0,097	0,121	0,243	0,264	0,364	0,485	0,606	0,728	0,849	0,970	1,055	1,092	1,213	2,638	4,749	5,804
Cuir	0,024	0,036	0,048	0,060	0,072	0,096	0,120	0,241	0,262	0,361	0,481	0,602	0,722	0,842	0,963	1,047	1,083	1,204	2,618	4,712	5,759
Curacao	0,025	0,037	0,050	0,062	0,075	0,100	0,125	0,250	0,272	0,375	0,500	0,625	0,750	0,875	1,000	1,087	1,125	1,250	2,718	4,892	5,980
Denim	0,025	0,038	0,050	0,063	0,075	0,100	0,125	0,250	0,272	0,375	0,500	0,625	0,750	0,875	1,001	1,088	1,126	1,251	2,720	4,896	5,984
Douceur	0,024	0,036	0,049	0,061	0,073	0,097	0,121	0,243	0,264	0,364	0,485	0,606	0,728	0,849	0,970	1,055	1,091	1,213	2,637	4,747	5,802
Factory	0,024	0,037	0,049	0,061	0,073	0,098	0,122	0,245	0,266	0,367	0,489	0,612	0,734	0,856	0,978	1,064	1,101	1,223	2,660	4,788	5,852
Graphite	0,024	0,036	0,048	0,060	0,072	0,096	0,120	0,241	0,262	0,361	0,481	0,602	0,722	0,842	0,963	1,047	1,083	1,203	2,617	4,711	5,758

**Specific Colours Grid (optional use)**

Kg de Poudre ->	0,100	0,150	0,200	0,250	0,300	0,400	0,500	1,000	Taille Essai	1,500	2,000	2,500	3,000	3,500	4,000	Le/shoT	4,500	5,000	Mini	196	24
Grenat	0,025	0,038	0,051	0,064	0,076	0,102	0,127	0,255	0,277	0,382	0,509	0,637	0,764	0,891	1,018	1,108	1,146	1,273	2,769	4,984	6,092
Helios	0,025	0,037	0,050	0,062	0,074	0,099	0,124	0,248	0,269	0,371	0,495	0,619	0,743	0,866	0,990	1,077	1,114	1,238	2,692	4,846	5,923
Hoggar	0,025	0,038	0,051	0,064	0,076	0,102	0,127	0,255	0,277	0,382	0,510	0,637	0,764	0,892	1,019	1,108	1,146	1,274	2,771	4,987	6,095
Hollywood	0,025	0,037	0,050	0,062	0,075	0,100	0,125	0,249	0,271	0,374	0,499	0,623	0,748	0,872	0,997	1,084	1,122	1,246	2,711	4,880	5,964
Hubert	0,025	0,038	0,050	0,063	0,075	0,101	0,126	0,252	0,274	0,377	0,503	0,629	0,755	0,880	1,006	1,094	1,132	1,258	2,735	4,923	6,017
Ink	0,025	0,038	0,050	0,063	0,076	0,101	0,126	0,252	0,274	0,378	0,503	0,629	0,755	0,881	1,007	1,095	1,133	1,259	2,737	4,927	6,022
Isla Nublar	0,026	0,038	0,051	0,064	0,077	0,103	0,128	0,256	0,279	0,384	0,513	0,641	0,769	0,897	1,025	1,115	1,153	1,282	2,787	5,017	6,132
Las Vegas	0,025	0,038	0,050	0,063	0,076	0,101	0,126	0,252	0,274	0,378	0,504	0,630	0,756	0,882	1,008	1,096	1,134	1,260	2,740	4,931	6,027
Little Sister	0,025	0,037	0,050	0,062	0,075	0,100	0,125	0,250	0,271	0,374	0,499	0,624	0,749	0,874	0,998	1,086	1,123	1,248	2,714	4,886	5,972
Livingston	0,025	0,037	0,050	0,062	0,075	0,100	0,125	0,250	0,272	0,374	0,499	0,624	0,749	0,874	0,999	1,086	1,123	1,248	2,715	4,887	5,973
Marguerite	0,023	0,035	0,046	0,058	0,070	0,093	0,116	0,232	0,252	0,348	0,464	0,580	0,696	0,812	0,929	1,010	1,045	1,161	2,524	4,544	5,554
Mécanique	0,025	0,038	0,051	0,063	0,076	0,101	0,127	0,254	0,276	0,380	0,507	0,634	0,761	0,888	1,015	1,103	1,141	1,268	2,758	4,965	6,068
Michaël	0,023	0,035	0,046	0,058	0,070	0,093	0,116	0,232	0,252	0,348	0,464	0,580	0,696	0,812	0,928	1,010	1,044	1,160	2,524	4,543	5,553
Mignon	0,024	0,036	0,049	0,061	0,073	0,097	0,121	0,243	0,264	0,364	0,485	0,607	0,728	0,849	0,971	1,056	1,092	1,213	2,639	4,751	5,807
Moket	0,025	0,038	0,051	0,063	0,076	0,101	0,126	0,253	0,275	0,379	0,505	0,632	0,758	0,884	1,011	1,099	1,137	1,263	2,748	4,947	6,046
Mon Vitrier	0,024	0,035	0,047	0,059	0,071	0,095	0,118	0,236	0,257	0,355	0,473	0,591	0,709	0,828	0,946	1,029	1,064	1,182	2,572	4,629	5,658
Mulot	0,024	0,037	0,049	0,061	0,073	0,097	0,122	0,244	0,265	0,366	0,487	0,609	0,731	0,853	0,975	1,060	1,097	1,218	2,650	4,770	5,830
Namib	0,027	0,041	0,055	0,068	0,082	0,109	0,136	0,273	0,296	0,409	0,545	0,681	0,818	0,954	1,090	1,185	1,226	1,363	2,964	5,335	6,520
Nil	0,023	0,035	0,047	0,058	0,070	0,093	0,117	0,234	0,254	0,350	0,467	0,584	0,701	0,817	0,934	1,016	1,051	1,168	2,540	4,571	5,587
Noir Extra	0,025	0,037	0,049	0,062	0,074	0,099	0,124	0,247	0,269	0,371	0,494	0,618	0,741	0,865	0,989	1,075	1,112	1,236	2,688	4,838	5,913
Noisette	0,024	0,035	0,047	0,059	0,071	0,094	0,118	0,235	0,256	0,353	0,470	0,588	0,706	0,823	0,941	1,023	1,058	1,176	2,558	4,604	5,627
Ok	0,025	0,038	0,050	0,063	0,075	0,101	0,126	0,251	0,273	0,377	0,503	0,629	0,754	0,880	1,006	1,094	1,132	1,257	2,735	4,922	6,016
Ottomane	0,025	0,037	0,050	0,062	0,075	0,100	0,125	0,249	0,271	0,374	0,499	0,623	0,748	0,873	0,997	1,085	1,122	1,247	2,712	4,881	5,966
Palace	0,025	0,037	0,049	0,062	0,074	0,099	0,123	0,247	0,269	0,370	0,494	0,617	0,741	0,864	0,988	1,074	1,111	1,235	2,686	4,834	5,909
Paris	0,023	0,035	0,046	0,058	0,069	0,092	0,115	0,231	0,251	0,346	0,462	0,577	0,693	0,808	0,924	1,005	1,039	1,155	2,512	4,521	5,526
Peggy	0,025	0,038	0,050	0,063	0,076	0,101	0,126	0,252	0,274	0,378	0,504	0,630	0,756	0,882	1,008	1,096	1,134	1,260	2,740	4,931	6,027
Pepito	0,024	0,036	0,048	0,060	0,072	0,096	0,121	0,241	0,262	0,362	0,482	0,603	0,723	0,844	0,965	1,049	1,085	1,206	2,622	4,720	5,769
Pepper	0,026	0,039	0,051	0,064	0,077	0,103	0,128	0,257	0,279	0,385	0,514	0,642	0,770	0,899	1,027	1,117	1,156	1,284	2,793	5,027	6,144
Petale	0,024	0,036	0,048	0,060	0,072	0,097	0,121	0,241	0,263	0,362	0,483	0,604	0,724	0,845	0,966	1,050	1,086	1,207	2,625	4,726	5,776

**Specific Colours Grid (optional use)**

Kg de Poudre →	0,100	0,150	0,200	0,250	0,300	0,400	0,500	1,000	Taille Essai	1,500	2,000	2,500	3,000	3,500	4,000	1e/shot	4,500	5,000	Mini	19,6	24
	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼
Petra	0,026	0,039	0,052	0,065	0,078	0,104	0,130	0,259	0,282	0,389	0,519	0,648	0,778	0,908	1,037	1,128	1,167	1,297	2,820	5,077	6,205
Pignon	0,026	0,038	0,051	0,064	0,077	0,102	0,128	0,255	0,278	0,383	0,510	0,638	0,766	0,893	1,021	1,110	1,148	1,276	2,775	4,995	6,105
Pompador	0,024	0,036	0,047	0,059	0,071	0,095	0,118	0,237	0,257	0,355	0,473	0,592	0,710	0,828	0,947	1,030	1,065	1,183	2,574	4,633	5,663
Poupee	0,024	0,036	0,047	0,059	0,071	0,095	0,119	0,237	0,258	0,356	0,475	0,593	0,712	0,830	0,949	1,032	1,068	1,186	2,580	4,645	5,677
Prune	0,025	0,037	0,050	0,062	0,075	0,099	0,124	0,248	0,270	0,373	0,497	0,621	0,745	0,869	0,994	1,081	1,118	1,242	2,702	4,863	5,943
Raisin	0,025	0,038	0,051	0,064	0,076	0,102	0,127	0,255	0,277	0,382	0,509	0,637	0,764	0,891	1,018	1,108	1,146	1,273	2,769	4,984	6,092
Roland	0,028	0,042	0,056	0,069	0,083	0,111	0,139	0,278	0,302	0,417	0,556	0,695	0,834	0,973	1,112	1,209	1,251	1,390	3,022	5,440	6,649
Ruban De Velours	0,025	0,037	0,049	0,062	0,074	0,099	0,123	0,247	0,268	0,370	0,494	0,617	0,741	0,864	0,987	1,074	1,111	1,234	2,684	4,832	5,906
Russule	0,024	0,035	0,047	0,059	0,071	0,094	0,118	0,236	0,256	0,353	0,471	0,589	0,707	0,824	0,942	1,025	1,060	1,178	2,562	4,611	5,636
Rustrel	0,025	0,038	0,050	0,063	0,076	0,101	0,126	0,252	0,274	0,378	0,504	0,630	0,756	0,882	1,008	1,096	1,134	1,260	2,740	4,932	6,028
Salina	0,026	0,038	0,051	0,064	0,077	0,103	0,128	0,256	0,279	0,385	0,513	0,641	0,769	0,897	1,026	1,115	1,154	1,282	2,788	5,019	6,134
Sari	0,025	0,037	0,050	0,062	0,074	0,099	0,124	0,248	0,270	0,372	0,497	0,621	0,745	0,869	0,993	1,080	1,117	1,242	2,700	4,861	5,941
Scarlette	0,025	0,037	0,050	0,062	0,075	0,100	0,125	0,250	0,272	0,375	0,499	0,624	0,749	0,874	0,999	1,086	1,124	1,249	2,716	4,888	5,974
Sheffield	0,025	0,038	0,051	0,063	0,076	0,101	0,127	0,253	0,275	0,380	0,506	0,633	0,760	0,886	1,013	1,101	1,139	1,266	2,754	4,956	6,058
Sugar	0,023	0,035	0,047	0,058	0,070	0,093	0,117	0,233	0,254	0,350	0,467	0,583	0,700	0,817	0,933	1,015	1,050	1,167	2,538	4,568	5,583
Tajine	0,024	0,037	0,049	0,061	0,073	0,098	0,122	0,245	0,266	0,367	0,490	0,612	0,734	0,857	0,979	1,065	1,102	1,224	2,662	4,792	5,857
Tasmanie	0,026	0,039	0,052	0,064	0,077	0,103	0,129	0,258	0,280	0,386	0,515	0,644	0,773	0,901	1,030	1,120	1,159	1,288	2,801	5,042	6,162
Taupe	0,026	0,039	0,051	0,064	0,077	0,103	0,128	0,257	0,279	0,385	0,514	0,642	0,770	0,899	1,027	1,117	1,156	1,284	2,793	5,027	6,144
Tikal	0,025	0,038	0,050	0,063	0,076	0,101	0,126	0,252	0,274	0,378	0,504	0,630	0,756	0,883	1,009	1,097	1,135	1,261	2,742	4,936	6,033
Tino Rosso	0,024	0,036	0,048	0,060	0,072	0,096	0,120	0,239	0,260	0,359	0,479	0,599	0,718	0,838	0,958	1,042	1,078	1,197	2,604	4,688	5,730
Titouan	0,026	0,039	0,052	0,065	0,078	0,104	0,130	0,259	0,282	0,389	0,518	0,648	0,778	0,907	1,037	1,128	1,167	1,296	2,819	5,075	6,202
Toast	0,028	0,042	0,056	0,070	0,084	0,112	0,140	0,279	0,304	0,419	0,558	0,698	0,837	0,977	1,116	1,214	1,256	1,395	3,035	5,463	6,677
Turf	0,025	0,038	0,051	0,064	0,076	0,102	0,127	0,255	0,277	0,382	0,510	0,637	0,764	0,892	1,019	1,109	1,147	1,274	2,771	4,988	6,097
Turkis	0,025	0,038	0,051	0,064	0,076	0,102	0,127	0,254	0,277	0,382	0,509	0,636	0,763	0,891	1,018	1,107	1,145	1,272	2,767	4,981	6,088
Vénus	0,024	0,036	0,047	0,059	0,071	0,095	0,119	0,237	0,258	0,356	0,475	0,593	0,712	0,831	0,949	1,032	1,068	1,186	2,581	4,645	5,677
Wasabi	0,025	0,037	0,050	0,062	0,075	0,100	0,125	0,249	0,271	0,374	0,498	0,623	0,748	0,872	0,997	1,084	1,121	1,246	2,710	4,877	5,961
Yabon	0,026	0,039	0,052	0,065	0,078	0,103	0,129	0,259	0,281	0,388	0,517	0,646	0,776	0,905	1,034	1,125	1,164	1,293	2,812	5,061	6,186
Yourte	0,024	0,036	0,049	0,061	0,073	0,097	0,121	0,243	0,264	0,364	0,485	0,607	0,728	0,849	0,971	1,056	1,092	1,213	2,639	4,751	5,806
Yuma	0,024	0,036	0,048	0,060	0,072	0,096	0,120	0,241	0,262	0,361	0,482	0,602	0,723	0,843	0,963	1,048	1,084	1,204	2,619	4,715	5,763
Zinc	0,025	0,038	0,050	0,063	0,075	0,100	0,125	0,251	0,273	0,376	0,502	0,627	0,753	0,878	1,003	1,091	1,129	1,254	2,728	4,910	6,001



## Specific Colours Grid (optional use)

Kg de Poudre ->	0.100	0.150	0.200	0.250	0.300	0.400	0.500	1.000	Taille Essai	1.500	2.000	2.500	3.000	3.500	4.000	kg / shot	4.500	5.000	Mnit	196	24
Gelato	0.024	0.036	0.047	0.059	0.071	0.095	0.119	0.237	0.258	0.356	0.474	0.593	0.711	0.830	0.949	1.032	1.067	1.186	2.579	4.642	5.674
Fernand	0.023	0.035	0.046	0.058	0.070	0.093	0.116	0.232	0.253	0.349	0.465	0.581	0.697	0.814	0.930	1.011	1.046	1.162	2.528	4.550	5.561
Ecume	0.023	0.035	0.046	0.058	0.069	0.092	0.116	0.231	0.251	0.347	0.462	0.578	0.694	0.809	0.925	1.006	1.040	1.156	2.514	4.525	5.531
Nougat	0.023	0.035	0.047	0.058	0.070	0.093	0.117	0.233	0.254	0.350	0.466	0.583	0.699	0.816	0.932	1.014	1.049	1.166	2.535	4.563	5.577
Crique	0.024	0.035	0.047	0.059	0.071	0.095	0.118	0.236	0.257	0.354	0.473	0.591	0.709	0.827	0.945	1.028	1.063	1.182	2.570	4.626	5.654
Mon étoile	0.026	0.039	0.052	0.065	0.078	0.103	0.129	0.258	0.281	0.388	0.517	0.646	0.775	0.905	1.034	1.124	1.163	1.292	2.810	5.059	6.183
Cap Roux	0.026	0.039	0.052	0.065	0.079	0.105	0.131	0.262	0.285	0.393	0.524	0.655	0.786	0.917	1.048	1.139	1.179	1.310	2.848	5.127	6.266
Alberte	0.025	0.038	0.051	0.063	0.076	0.101	0.127	0.253	0.275	0.380	0.506	0.633	0.759	0.886	1.012	1.101	1.139	1.265	2.752	4.953	6.054
Bisou	0.023	0.035	0.046	0.058	0.069	0.093	0.116	0.231	0.252	0.347	0.463	0.579	0.694	0.810	0.926	1.007	1.042	1.157	2.517	4.531	5.538
Délice	0.023	0.035	0.047	0.058	0.070	0.093	0.116	0.233	0.253	0.349	0.465	0.582	0.698	0.814	0.931	1.012	1.047	1.164	2.531	4.555	5.567
Agave	0.024	0.036	0.049	0.061	0.073	0.097	0.122	0.243	0.265	0.365	0.487	0.608	0.730	0.852	0.973	1.058	1.095	1.217	2.646	4.763	5.821
Laurier	0.024	0.037	0.049	0.061	0.073	0.098	0.122	0.244	0.265	0.366	0.488	0.610	0.732	0.854	0.976	1.061	1.098	1.220	2.653	4.776	5.838
Ciste	0.024	0.036	0.048	0.060	0.072	0.096	0.120	0.239	0.260	0.359	0.479	0.598	0.718	0.838	0.957	1.041	1.077	1.196	2.602	4.684	5.725
Joubarbe	0.025	0.038	0.050	0.063	0.075	0.100	0.125	0.250	0.272	0.376	0.501	0.626	0.751	0.877	1.002	1.089	1.127	1.252	2.724	4.903	5.992
Grand Pin	0.026	0.039	0.052	0.065	0.077	0.103	0.129	0.258	0.281	0.387	0.517	0.646	0.775	0.904	1.033	1.124	1.162	1.291	2.809	5.056	6.180
Figuier	0.027	0.040	0.054	0.067	0.081	0.107	0.134	0.269	0.292	0.403	0.537	0.671	0.806	0.940	1.074	1.168	1.209	1.343	2.921	5.257	6.426
Picnic	0.026	0.038	0.051	0.064	0.077	0.102	0.128	0.256	0.279	0.384	0.512	0.640	0.768	0.897	1.025	1.114	1.153	1.281	2.786	5.014	6.128
Trempe	0.023	0.035	0.047	0.059	0.070	0.094	0.117	0.234	0.255	0.351	0.469	0.586	0.703	0.820	0.937	1.019	1.054	1.171	2.548	4.586	5.605
Golfe clair	0.024	0.036	0.048	0.060	0.071	0.095	0.119	0.238	0.259	0.357	0.476	0.596	0.715	0.834	0.953	1.036	1.072	1.191	2.590	4.663	5.699
Miramar	0.025	0.037	0.049	0.062	0.074	0.099	0.124	0.247	0.269	0.371	0.494	0.618	0.741	0.865	0.989	1.075	1.112	1.236	2.688	4.838	5.913