

GYPSUM.

Evolved concrete tile collections



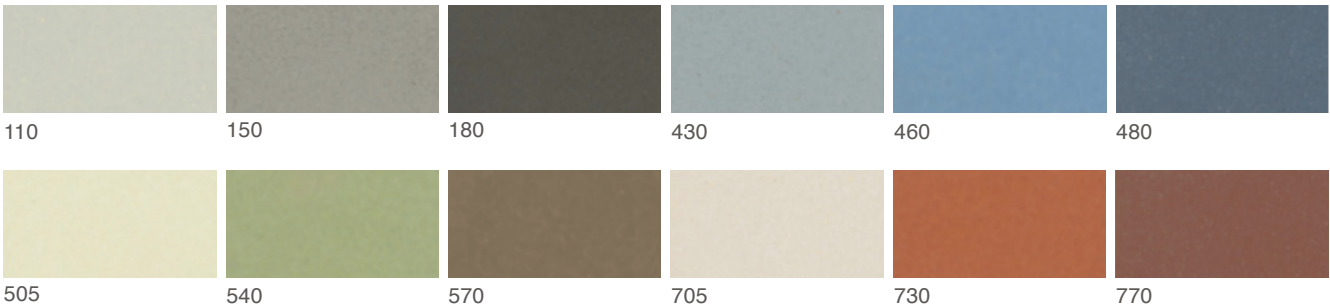
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Standard Tiles

Gypsum's Standard Tiles is a collection that nods to "encaustic cement tiles" but is reinvented now thanks to a high-performing Cementbasic®. It is an evolved concrete coloured with natural oxides, a delicate surface resistant to dirt. The production process is handcrafted and can generate small differences in sizes and colours that are to be considered an integral feature of the product. The Standard Tiles collection is suitable for both indoor and outdoor applications, commercially for walls and residentially for floors and walls.

Colours



Formats & sizes

14mm thickness



100 x 50

11mm thickness



30 x 30



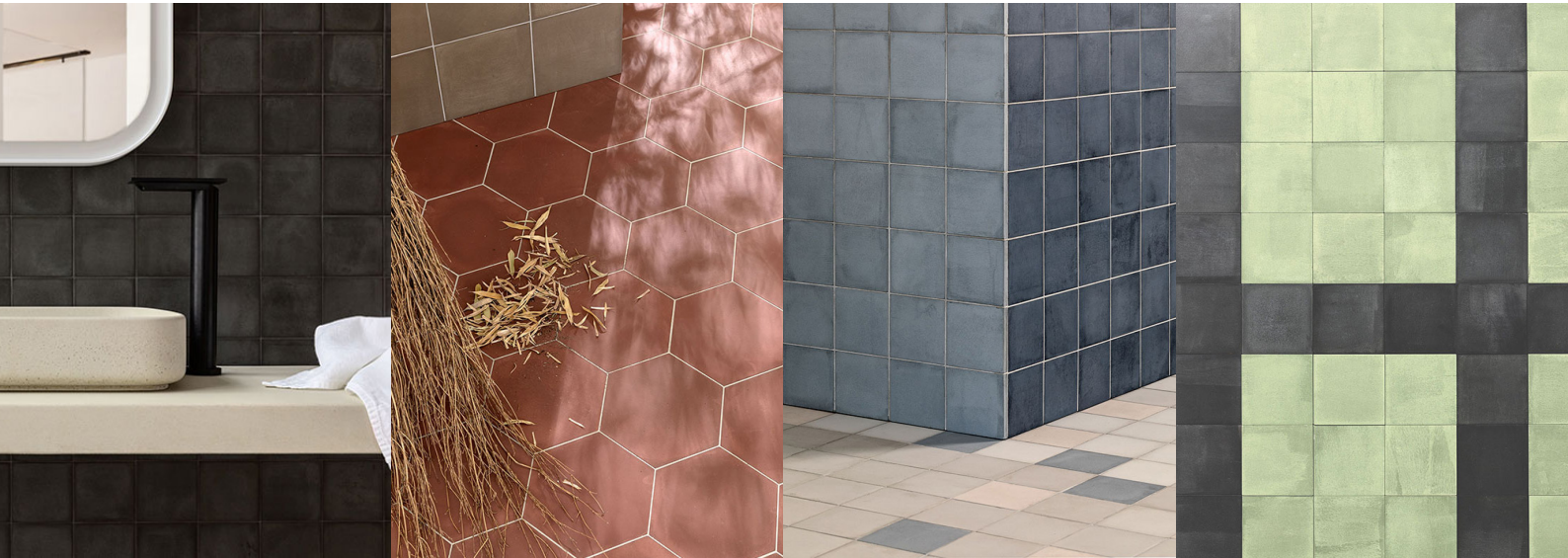
20 x 20



hex 23 x 20



10 x 10



Minimum

Designed by Marco Merendi & Diego Vencato, Minimum is a three-dimensional tile collection made from Cementobasic®. This material is an evolved concrete coloured with natural oxides and a delicate surface resistant to dirt. The production process is handcrafted and can generate small differences in sizes and colours that are to be considered an integral feature of the product. The Minimum collection is suitable for both indoor and outdoor applications, commercially and residentially for walls.

Colours



Formats & sizes

No. 1



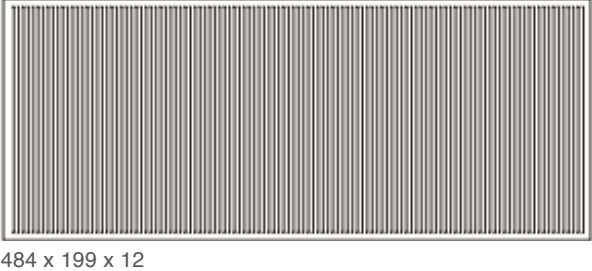
No. 2



No. 3



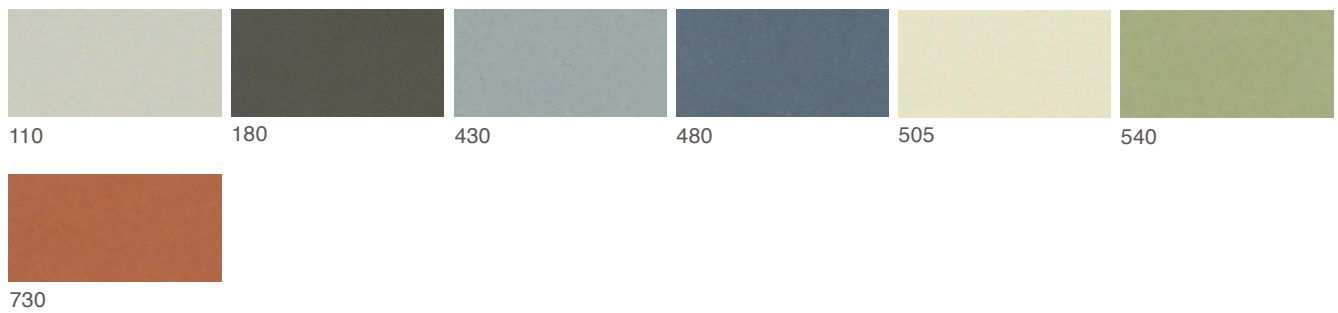
No. 4



Open

Designed by Marco Merendi & Diego Vencato, Open is a tile collection made from Cementoskin®. This material is an evolved concrete coloured with natural oxides and a delicate surface resistant to dirt. The production process is handcrafted and can generate small differences in sizes and colours that are to be considered an integral feature of the product. The Open collection is suitable for both indoor and outdoor applications, commercially and residentially for walls.

Colours



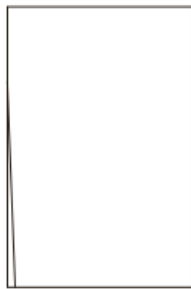
Formats & sizes

Large A



226 x 150 x 11

Large B



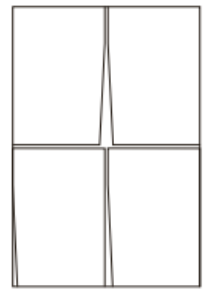
226 x 150 x 11

Small A



226 x 150 x 11
Single tile of 4 shapes

Small B



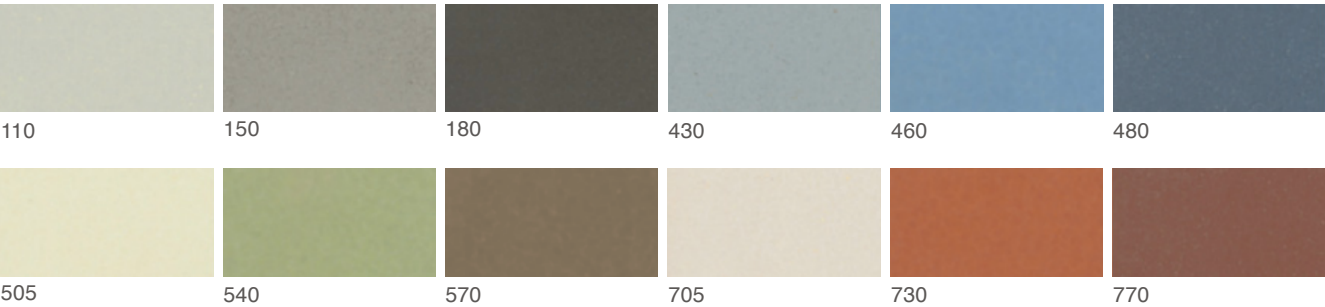
226 x 150 x 11
Single tile of 4 shapes



Pigmenti

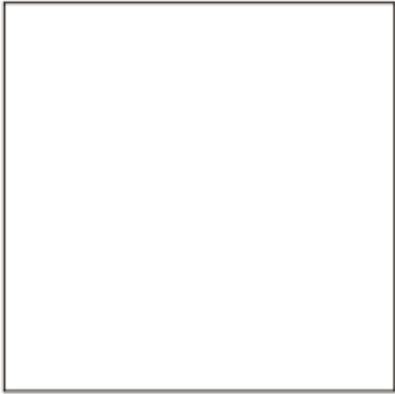
Designed by Marco Merendi & Diego Vencato, Pigmenti is a tile collection made from Cementoskin®. This material is an evolved concrete coloured with natural oxides and a delicate surface resistant to dirt. The production process is handcrafted and can generate small differences in sizes and colours that are to be considered an integral feature of the product. The Pigmenti collection is suitable for both indoor and outdoor applications, commercially for walls and residentially for floors and walls.

Colours



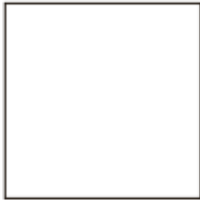
Formats & sizes

18mm thickness



1000 x 1000

15mm thickness



500 x 500



198 x 198



500 x 165



500 x 80



500 x 50



500 x 35

10mm thickness



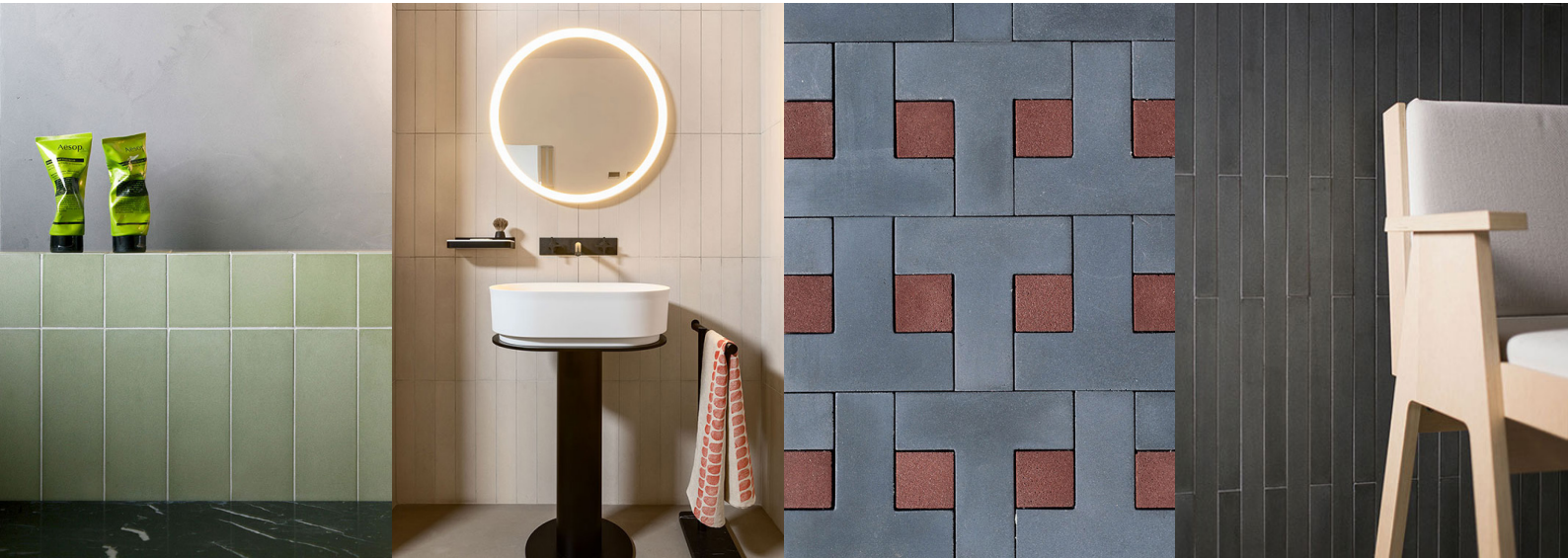
100 x 50



90 x 90



30 x 30



The Material

High performance product, made with a mixture of cement, selected aggregates and specific additives. It can be reinforced during the production phase with glass fibre mesh and/or special steel fibres and it can be moulded into any shape. Cementobasic® has a class A1 fire resistance.

The Product

Cementobasic® is a high performance washable cement, colored with iron oxide paste, with which it is possible to produce products with a smooth surface. Cementobasic® is a material for architecture and design, whose chemical composition, together with the surface treatments applied during production, makes the cement resistant to dirt and is washable even in the case of stains generated by liquids (water, coffee, oil, wine, lemon, etc.). Its characteristics make this material particularly tough, almost waterproof, resistant to abrasion, freeze/thaw cycles, saltiness, and chemical attacks (including acid substances).

Cementobasic® is suitable for the home and contract market, for indoor and outdoor applications, as well as for architecture and industrial design. It is worked by pouring it into molds to form elements of any shape. It is particularly suitable for floor and wall coverings, sinks, shower trays, bathtubs, kitchen tops, lamps, tables, benches, vases, objects, etc. The processing phase involves accurate dosing of raw materials, additives and coloring substances, guaranteed by precision equipment; however, the coloring shows a pleasant dyschromia between products of the same color: this is a peculiar characteristic of the cement as a natural material.

The fineness of the material guarantees a faithful reproduction of every detail, which makes it possible to create any object. The material can be reinforced during the production phase with a glass fibre net and/or special steel fibres. The choice regarding the thickness of the final product (minimum 10 mm), the actual need for reinforcement and which type to use is based on our experience, as a function of the artefacts' shape, size and destination of use. Iron reinforcement is strictly avoided to prevent any problems associated with its use.

Technical Features

The materials used during production are the result of lengthy research. For this reason every raw material and every additive are carefully chosen and purchased only from suppliers who can guarantee to supply consistent-quality materials.

Apparent density	UNI EN 14617-1	1958 kg/mc
Water absorption	UNI EN 14617-1	2.77% (after 360 hours)
Flexural strength (bending)	UNI EN 14617-2	R _{tf} =8.64 N/mm ² (thickness 16 mm)
Abrasion resistance	UNI EN 14617-4	39.5 mm
Impact resistance	UNI EN 14617-9	W = 1.716 J (thickness 16 mm)
Freeze/thaw resistance	UNI EN 14617-5	KM _{f25} = 111 (after 25 cycles)
Thermal shock resistance	UNI EN 14617-6	Δm% = 0% ΔR _{f,20%} = -7.6%*
Coefficient of dynamic friction	B.C.R.A.	dry μ 0.37 / wet μ 0.70
Linear thermal expansion	UNI EN 10545-8	12.8 [10-6/°C]

Chemical resistance	UNI EN 14617-10	resistant	06
Resistance to stains	UNI EN ISO 10545-14	all stains = 5 / iodine = 1	
Resistance to liquids other than water	UNI EN ISO 2812-1	resistant	
Resistance to aging by salt mist	UNI EN ISO 14147	intact (after 60 cycles)	

*(the negative sign indicates an increase in performance)

Use Instructions

The products should be kept in a covered place, should be handled with care and should be laid shortly after being removed from the packaging. A site check is necessary to verify that the conditions in place are suitable for the product's use, also taking into consideration the sector tolerances that affect production.

Concrete

This is a new, advanced form of high-performance concrete with subtle, refined qualities that give this ancient building material a new expressive language. Colour is combined with cement in an organic and gentle relationship. This characteristic, together with the refinement of the surface finish, distances the traditional perception of a raw material and gives concrete a precious dimension. This concrete is suitable for public and private clients and for both indoor and outdoor applications.

Technical And Aesthetic Characteristics Of The Material

High-performance concrete for architecture and design. It is washable, resistant to dirt, chemical aggression, salt mist and freeze-thaw cycles. The products are made from natural materials (cement, aggregates, iron oxides and additives), using a completely artisanal and ecological production cycle: the cement is mixed by hand and poured into moulds, then cured and finished on its surface.

The result is a unique handcrafted product, characterised by the following features:

Colouring

Concrete is coloured by adding natural oxides to the mix. The use of these pigments makes it possible to obtain products with a UV-resistant colouring that will be stable over time, even after years of use both indoors and outdoors.

Shade variation

Concrete may show a "shade variation", i.e. visible and non-homogeneous colour differences between the elements of a finished product. There can be shade variation even on a single piece. This is a peculiar characteristic of this material and part of its intrinsic beauty. It depends on many uncontrollable factors (raw materials, atmospheric conditions, etc.), which together contribute to the uniqueness of each piece. For this reason, the colour samples contained in our sample books must be considered as indicative.

Shading and production batches

For the above reasons, when production is made to complement or extend a previous batch, it cannot be guaranteed that the colour tone of the second batch will be exactly the same as the first batch.

Microcavities

The surface of the concrete might have small cavities, generated during the pouring of the material into the mould and randomly arranged, especially on the vertical portions. These cavities, both outdoors and indoors, might fill with water, creating darker areas until they dry, without compromising the aesthetic and technical characteristics of the product.

Tolerances

The production cycle and the nature of the material necessarily generate dimensional differences (even on mass-produced products), which must be assessed according to the artefact and the type of application. These tolerances are not to be considered a defect,

Common household stains (coffee, oil, wine, Coca Cola, lemon, etc.) are easily removed using mild soap and water, but more difficult dirt (rust, permanent marker, motor oil, etc.) can also be removed using specific products.

Routine cleaning

- For most stains, we recommend using a good quality pH-neutral soap that you can buy in any supermarket.
- Sponge cloths, scotch-brite sponges, sorghum brushes, single-brush cleaners and high-pressure cleaners can be used for cleaning. Do not use scouring pads, wire brushes, sandpaper or other tools that could scratch the surface.
- Cleaning with limescale removers, bathroom and kitchen cleaners, floor cleaners, etc. is allowed.
- Do not use cleaning agents that can scratch, such as scouring powders or creams, and that contain hydrogen peroxide, hydrofluoric acid, strong bleaching agents, chlorine or active oxygen.
- The use of dust sprays or waxes is not recommended as they may alter the colour and/or surface finish.

Extraordinary cleaning

If necessary, suitable professional products can be used to remove the most difficult stains (e.g. iodine dye, permanent marker, diesel, engine oil, rust, etc.). For further information, please contact us.

Extraordinary Maintenance

Concrete is treated during the production to ensure stain resistance and washability. After 7 to 10 years, depending on the use and environmental conditions to which the material has been subjected, and in any case when a deep cleaning is required, it may be necessary to restore the surface treatment with a water-based product. In this case, contact us for all the necessary instructions.

General Precautions

For a good conservation of the material:

- keep the packed material protected from the weather;
- as much as possible, avoid leaving dirt on the surface for long periods;
- avoid prolonged contact with solvents or acidic substances;
- avoid contact with sulphuric acid;
- avoid contact with bleach;
- avoid contact with bleaching agents or substances containing active oxygen;
- avoid rubbing with aggressive abrasives (e.g. sand paper);
- avoid using sharp tools directly on the surface.

Warnings For Use

- Tile installation. It is recommended to provide the joint, and the corresponding grouting, to avoid the possibility that the side edges of the tiles may absorb liquid substances. These could, in fact, in some cases generate unwanted marks.
- Construction of water basins. Cement is designed and manufactured for both indoor and outdoor use, for wall and floor tiling, kitchen counter tops, shower tiling, construction of sinks, bathtubs, tables, etc.

It CANNOT be used as a pool liner, and in cases where water collectors (such as washbasins and bathtubs) are built, they must be emptied each time they are used, as the surface protection treatment is not suitable for prolonged water stagnation.