

SASSOITALIA®

Decorative washed stone, exposed aggregate concrete finish for hard landscaping.

Description

SASSOITALIA® represents the evolution of the classic exposed aggregate or washed stone finish. With a thickness of 2 to 4 cm it forms a refined and extremely durable surface, composed of a coloured cement matrix and selected marble aggregates. Extremely versatile, it is ideal for prestigious hard landscapes and can also be used in combination with natural stone inserts.

Features

SASSOITALIA® is composed of a coloured, fibre-reinforced cementitious base (COLOR-MIX), crushed marble, local stone or rounded pebbles and cement 4.25. It is applied with a straight edge in a thickness of 2 to 4 cm on a concrete base. After casting, its surface is treated with a deactivating liquid that allows perfect cleaning and exposure of the aggregates. The COLOR-MIX additive allows working with only a few centimetres of material instead of a solid, full depth slab, at the same time guaranteeing the durability of the surface, cohesion of the aggregates and uniformity of colouring.

Through careful selection of aggregates, colour of the matrix and the cement, it is possible to obtain innumerable colour combinations.

The system is suitable for areas subject to vehicular traffic and also has excellent slip-resistance characteristics.

Fields of use

Sassoitalia® is used to create hard landscapes on both renovation and new construction projects.

- Furnishing of courtyards and gardens
- Avenues, paths and pavements.
- Street furniture
- Refurbishing of historic buildings

Preparation of the substrate

The substrate or mother slab to receive the system must be cleaned and roughened, free of pollutants and cured for at least 7 days.

For pedestrian pavements, a base slab compressive strength of at least 25 Mpa and 1.5 Mpa for tensile strength is required.

In the case of a sand and cement screed, consolidate the surface with IDEAL BINDER mixed with water (1: 1).

The substrate must contain the appropriate number and depth of control joints which, in the subsequent casting, must be respected by laying SIJ PROFILES FOR SASSOITALIA.

Any cracks must be repaired with Epoxy-Coat.

Application

The mother or base slab should be well soaked the previous day and must be damp but free from pooled water. Place SIJ profiles or stone-kerbs that will also act as a guide for the levels and control the cast.

After thoroughly mixing with water for at least 3 minutes, spread the IDEAL BOND bonding primer using a hard bristle broom or a single brush in the measure of 2-3 kg / m² and immediately apply the SASSOITALIA® mix, fresh on fresh. If IDEAL-BOND dries too quickly, it will be necessary to apply another coat of product. Spread and smooth with a steel spatula then spray the entire surface with the most suitable BA-CC deactivator liquid based on the size of aggregate and exposure depth required.

When the paste develops a stiff consistency and, at the very latest the next morning, remove the surface grout and clean carefully with a single brush and pressurised water.

The IDEAL WORK range of water-based Disabling-Curing Compounds (anti-evaporation and rain protection), includes 5 versions that differ depending on use:

- BA-CC-GIA: suitable for aggregates of 12-16 mm grain size.
- BA-CC-GIA-11: suitable for aggregates of 8-12 mm grain size.
- BA-CC-MAR: suitable for aggregates of 5-8 mm grain size.
- BA-CC-MAR-11: suitable for aggregates of 5-8 mm grain size.
- DISAT-VERT: vertical deactivator for aggregates between 9-12 mm size

Surface protection

The Sassoitalia surface resists the effects of wear and weathering very well but can be further protected with the water-oil repellent impregnating agent PETROTEX-S.

In areas subject to the use of anti-ice salts, apply ACQUAPEL-S.

Technical Information

Please follow this link to see the product data sheet.

https://www.idealwork.it/wp-content/REPOSITORYFILE/TES/test_sassoitalia.pdf

Mixing and Consumption

Ideal Bond is mixed with water in the proportion of 25Kg / Ideal Bond for 6-7 l of water and has a consumption of approximately 2-3 kg / m².

COLOR-MIX must be mixed directly in the cement mixer with cement 4.25 (white, grey or a mix of both) and aggregate.

The basic formulation is:

1 Part COLOR-MIX

2 Parts Cement 4.25 (white or grey)

5 Parts Aggregates

To obtain a better mix, add to the mixer in the following order: 50% of the aggregates with 50% of the total amount of water, the COLOR-MIX, the cement and then the remaining 50% of water and aggregates.

It is recommended to maintain a water / cement ratio not higher than 0.48, then add 22-24 Lt of water for every 50 kg of cement.

This formulation can be varied according to the granular nature of the aggregates, the required performance and construction site needs.

Indicative consumptions for a 1 cm thick paste, made using the basic formulation (aggregate 9-12 mm):

COLOR-MIX	2,5	Kg per m ²
CEMENT	5,0	Kg per m ²
AGGREGATES	12,50-13	kg per m ²

Packaging / Storage / Disposal

COLOUR-MIX is available in 25 kg bags in the following colours:
Paglia, Terra Toscana, Sabbia, Cammello, Tortora, Grey, Antracite,
Neutro

IDEAL BOND is available in 25kg bags.

BA-CC deactivators are available in 15kg drums.

Precautions

Any shrinkage cracks that exist in the substrate inevitably tend to be transmitted to the SASSOITALIA® finishing layer. If the substrate exhibits a 28 days shrinkage of more than 300 µm / m (UNI 11307 for concrete and UNI 6687 for sand and cement or mortar substrates) it is advisable to wait for its complete curing and seal any cracks with Epoxy-coat before execution.

To ensure correct installation, the maximum thickness of the aggregate must not exceed half the thickness of the covering.

The use of strongly differentiated aggregate sizes can lead to incorrect deactivation resulting in insufficient surface cohesion.

The aggregate must be washed and cleaned. Aggregates should not be left exposed to high temperatures as this could result wildly varying suction and seeming water demand in the mix. If necessary, pre-soak the aggregates to keep them cool and less porous.

The manufacturer declines all responsibility regarding the finish and performance declared for the system and the success of the work if it was not applied and installed in full accordance with these guidelines or was created with products not covered by them.

The manufacturer also declines all responsibility for the aesthetic aspect of the finish which depends on laying methods, processing times and the climatic and environmental conditions of the construction site prevailing at the time which the applicator must take into account in relation to the processing of the materials provided by the writer.



IMPORTANT:

All information contained in this data-sheet is based on the best practical and laboratory expertise. The customer is responsible for checking the product is suitable for use. The producer does not accept any responsibility arising from incorrect application. We recommend testing the products on small surfaces prior to use on the jobsite. This data-sheet replaces and annuls all previous versions. Data may be changed anytime. We also remind you that Ideal Work products are for professional use only and Ideal Work provides customers with training opportunities upon request. Whoever uses these products without authorisation shall take full personal responsibility and the outcome will be at their own risk.

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