terrazzo of nature

PLACCO

TECHNICAL GUIDE

Technical Information

Application

Cleaning and Maintenance

PLACCO SLABS TECHNICAL SPECIFICATIONS

Placco slabs and tiles are produced by mixing marble, granite, glass pieces and different aggregate types (in various combinations) with cement. Placco products are cement based products and they are developed after many research and trials. It has superior properties (high compressive strength, high flexural strength, low water absorption, etc.) compared to other cement-based terrazzo products.

General Features

- Placco products have unlimited color and design options which do not exist in natural stones such as marble, granite etc.
- Since Placco products have higher strength compared with other cement-based terrazzo, they can be produced thinner.
- They can be used for both indoor and outdoor applications.
- Since it is an alkaline product, it has an anti-bacterial characteristic.
- Placco products can be polished, brushed, honed or sandblasted.
- The slip resistance of the product varies according to the surface treatment.
- Since Placco products are mixtures containing natural aggregates (marble, granite, basalt, etc.), color differences may occur between products over time.

Technical Specifications

TECHNICAL SPECIFICATIONS*	TS EN13748-1	PLACCO
Compressive Strength	N/mm^2 (MPa) >30	N/mm^2 (MPa) >90 (min.)
Water Absorption	<8%	<3% (max.)
Bending Strength	N/mm^2 (MPa) >5	N/mm^2 (MPa)> 12 (min.)
Abrasion	<30cm^3/50cm^3	<17cm^3/ 50cm^3 (min.)
Density	-	2.4 g/mm^3
Fire Resistance	A1	A1
Freeze Resistance	-	2/B- 3D

* The technical specifications are given above and those may vary insignificantly according to the type of aggregate and powder used.

Storage and Transportation

- The products should be handled carefully without being shaken, possible shaking may crack or even break the product.
- In order to prevent the products from moving freely and colliding with each other during transportation, they should be fixed before transportation.
- Carrying and storing products on top of each other horizontally should be avoided. Products should be transported and stocked vertically, side by side. Otherwise, the products are more likely to crack and break.
- Stock the products indoor, protect them from moisture and store products in their original packaging to protect them from adverse conditions.
- Products will be delivered with identity cards containing material and company information.

Installation

- The installation area should be a clean, dry and well leveled surface.
- For floor application on screed, it is recommended to use flexible C2 TE S1 class cement-based adhesive.
- For application on concrete with mortar, the product placed on the mortar should be lightly tapped with a hand or a rubber mallet to ensure that the mortar touches everywhere equally and there is no gap.
- It is recommended to use white adhesive if the terrazzo to be applied is light colored, and black adhesive if dark colored.
- To increase the adhesion of the product after installation, it is recommended to lay with the double spreading technique.
- It is recommended to use cement-based flexible joint filler for the joints 48 hours after the application in adhesive applications and 4-5 days after the application in mortar applications.

Maintenance and Cleaning

- It is recommended to use pH neutral products for surface cleaning. Most of the cleaning materials used for cleaning marble and natural stone surfaces are suitable for use.
- Liquids such as tea and coffee spilled on terrazzo slabs should be cleaned immediately, as in materials such as marble and natural stone. Otherwise, the stain on the surface may be permanent.
- It is generally appropriate to use soapy water to clean the products. In addition, while cleaning the surface, do not use hard materials which may damage the surface.
- Do not use materials that may damage the texture and color of the surface such as bleach, salt spirit, acid in the cleaning and maintenance of the products.
- You can consult us about the suitability of the cleaning product you want to use.

It was
made just
for you.

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