

Pava Marmo®

Low-thickness micro-terrace type decorative system

I LINEA PAVAFLOOR I

Composition

Single-component modified copolymer-based formulation, solvent-free, with additives of dosed silica mixtures and special fillers and thin lamellar aggregates from the reuse of secondary raw materials according to eco-sustainability principles and in compliance with CAM criteria according to D. M. 23/16/22 and UNI EN ISO 14025 and 158025 as well as LCA methodology (ISO 14040 - 44) related to circular economy rules. M. 23/16/22 and UNI EN ISO 14025 and 15804 as well as the LCA methodology (ISO 14040 - 44) correlated to circular economy rules. Water-based system for interior decorative surfaces.

VOC lim 140 g/l - real VOC < 15 g/l (excluding water).

Fields of application

Composita represents an extremely versatile innovative finishing proposal that complements different interior design styles. It is ideal for vertical floor and wall coverings and/or furnishing accessories. It is a modern surface that gives a feeling of concrete fullness and massiveness with a monolithic appearance despite its limited thickness. Modern material for a new interpretation of the surfaces of yesteryear.

The final effect, depending on the chosen texture, can be reminiscent of a polished concrete floor, but also the more classic one of a fine Venetian terrazzo. Unlike this, it allows for final thicknesses as low as 2-3 mm, ease and speed of application and does not require costly and time-consuming sanding and polishing with water, but sanding is done dry!

Marking

EN 13813

Flooring - Screeds and screed materials - Properties and requirements

- wear resistance (AR1)
- grip strength (B2,0)
- impact resistance (IR4)
- emission of corrosive substances (SR)

Certifications

- Product capable of inhibiting bacterial proliferation according to ISO 22196:2011.
- EPA (Environmental Protection Agency) certified for very low emissions, according to EN-ISO 16000 and AgBB 'Evaluation procedure for VOC emissions from construction products'.
- LEED compliance for low emitting materials, EQ Credit 4.1-4.2-4.3, reduction of pollutant emissions (VOC) inside buildings.
- Fire certification class Bfl-S1 (EN 13501-1).

Quality

The product undergoes careful and constant testing in our laboratories. The raw materials used are rigorously selected and controlled.

Technical specifications	Results	Method
Catalysis ratio	Single-component. All Pava formulations must be mixed thoroughly before proceeding to the various application steps. Manual mixing is not permitted; mix with propeller at low speed; incorrect mixing will result in incomplete curing of the coating.	13 IST 21
Specific Weight	1.60 - 1.70 g/cm ³ at 20 ± 2°C, depending on texture.	ASTM D 1475 EN ISO 2811-1
Viscosity at 25 ± 2°C	2000 - 3000 mPas	ASTM D 2196 EN ISO 3219
Dilution	Ready to use.	13 IST 21
Mixing duration	Not applicable.	13 IST 22 EN 9514
Drying and curing	Drying after 6 hours at 20 ± 2°C and 50 ± 10% R.H. Hardening after 12 hours depending on ambient conditions.	ASTM D 1640 EN ISO 866
Covering	After 16 - 24 hours depending on the ambient temperature; no later than 48 hours.	ASTM D 1640
Consumption and Yield	Approx. 0.850 kg/m ² for the first layer; approx. 0.750 kg/m ² for the second layer.	13 IST 03
Film Appearance	Opaque.	-
Number of layers	Two layers recommended.	-
Tool washing	With nitro thinner.	-
Warehouse storage	12 months from the date of production (lot no. on the AAMMGG label) in the original, tightly closed packaging in a ventilated and dry place at an ambient temperature of not less than + 10°C. Do not expose packaging to direct sunlight. Protect against frost. Transport must not take place below 10°C. Otherwise the lorry must be insulated.	-

After 7 days at 25 ± 2°C The system is not self-supporting according to UNI10966, but conditioned by the substrate; the specimens made not with film but according to UNI EN 13892-2.

Cls Adhesion (MPa) ASTM D 4541 EN 1542	> 1,5
Elongation Break (%)	< 5,0

(*) Technical specification in the certificate of analysis

Surface preparation

The substrate must be prepared by specific mechanical preparation (sanding, sanding or degreasing as appropriate) and, after appropriate dust removal, proceed with the application of specific adhesion promoter or primer depending on the specific substrate (Unico, Reform, Malta Design, etc.).

Any imperfections or irregularities that may compromise the final aesthetic effect must be corrected by

sanding and/or levelling the substrate before applying the subsequent products.

In the presence of cracking processes and/or cracks in the substrate, carefully check the nature of these phenomena: if they are due to plastic shrinkage, and if they are due to tensional-structural phenomena affecting the substrate itself. In the case of both static and dynamic cracks/cracks, consult our Technical Office in order to intervene appropriately. No responsibility can fall on the product in the event that such cracking processes should affect it since, according also to UNI EN 10966, these systems are not self-supporting.

Any traces of oil, grease, paint, efflorescence, etc. must be removed beforehand, as well as any chalking or removable sections.

Before proceeding with the application of Pava products, all critical points must also be treated in advance (any cracks in the substrate, corners, edges, vertical turn-ups, expansion and/or structural joints, channels, gutters, grates, eaves fittings, drainpipes and downpipes, steps and thresholds, skylights, plant piping and passages).

Application Conditions

We recommend applying the product at temperatures $\geq 10^{\circ}\text{C}$ and $\leq 35^{\circ}\text{C}$ and Relative Humidity $\leq 70\%$. Application under different environmental conditions could lead to aesthetic and/or technical defects of various kinds and failure to achieve the product's characteristics and performance. Consult the Technical Department in case of special situations.

Application

By spatula in two successive layers spaced at least 12-16 hours apart.

Spread the product in the quantity indicated above, taking care to ensure the uniformity of the layer applied, which must be approximately 1 mm for each application. For this reason, it is recommended not to shave the product but rather to spread it evenly and regularly.

Once hardened, proceed with sanding, first with 80-grit paper or abrasive screen and then with 120-grit sandpaper. This operation is necessary in order to bring out the lamellar aggregates within the thickness of Composita 1 and achieve the expected aesthetic result. Pay particular attention to the sanding phase by always trying to exert homogeneous pressure without dwelling too much on specific areas in order to obtain a regular result without imperfections.

Tints and packaging

Available in 10 different ready-to-use textures (effects) in the following packages: Botticino Fine, Carrara Fine, Granito Fine, Grigio Fiorentino, Occhialino Fine, Pietra Fine, Travertino Medio, Possagno Classico:

kg. 5,000

kg. 10,000

Lava Stone: kg. 4,350 – kg. 8,700

Royal Stone: kg. 4,600 – kg. 9,250

ΔE Cielab < 5.0 not binding.

Warnings

We do not recommend the use of products that, upon opening the container, should show signs of instability and/or degradation including thickening, crystallization, gelatinization, sedimentation, flotation, etc. due to improper storage of the material (temperature/humidity) either during transport or in the final storage or finally for use after the expiration date

It is highly recommended that, before using Pava products, you attend the applicator course. Anyone who uses these products without being licensed to do so does so at his or her own risk and without the responsibility of the manufacturer.

Technical Notes

With damp substrates or with counterthrust moisture $\geq 4\%$ (measured with calcium carbide), blistering, blistering or detachment of the applied layers is possible.

In these cases, it is possible to manage the problem through the prior application of Trico Bar with a vapor brake function. Such a product should be applied in 2 coats for a total consumption of at least 1.5 kg/sqm. Consult the product's technical data sheet and the Technical Office for appropriate indications.

UNI Standard 11835

The UNI 11835 standard, in force since 2021, defines and certifies the figure of the applicators and commercial technicians of resin systems for horizontal and vertical interior and exterior surfaces, outlining their basic

requirements, the set of knowledge, skills, autonomy and responsibilities that within the construction supply chain must distinguish and characterize these professional figures in their relations with public and private clients, companies, designers and specifiers.

The UNI 11835 standard incorporates the knowledge introduced by the new edition of the UNI 10966 standard and profiles the sector's operators more precisely, highlighting the sector's typical features. In addition, the standard delineates resin systems operators by dividing them into four professional figures (specialized resin systems installer, foreman resin systems installer, foreman decorative resin systems installer, and sales technician). For each professional figure, the relevant tasks are described, as well as the knowledge and skills required to perform them.

The field of resin coatings therefore requires, as described above, competence and professionalism. These can be certified according to UNI CEI EN ISO/IEC 17024 through a patent obtained through an exam (written, practical and oral test) taken with a third-party certified body, as defined by UNI 11835.

It is strongly recommended to join professionalizing activities in order to acquire the professional qualification license so as to possess the competences and skills listed in the prospectuses of the aforementioned UNI 11835 standard, which can be associated with level 4 as per the QNQ classification (Recommendation 2017/C189/03, Annex II). Therefore, no responsibility can fall on the manufacturer in case the operator is not in possession of the qualification license and the consequent validated skills, in case of improper use or flaws in the works carried out, as the products must be intended for strictly professional use.

Product for professional use

Keep out of the reach of children. During use and drying, ventilate the premises well. Do not eat, drink or smoke during use. Wear protective gloves and goggles during use and use the usual precautions for handling chemicals. In case of contact with eyes or skin wash immediately with plenty of water and seek medical advice. In case of ingestion contact a poison control center or doctor immediately. Air the premises before staying there.

The above products are found to have a low environmental impact and make it possible to abate solvent pollution while improving quality, safety and hygiene for the user. We recommend scrupulous compliance with the hygiene regulations in use for handling resins (Circ. Min. Lav. 46/1979 and 61/1989). For info ns safety data sheet.

QR-CODE

The label of each product shows the relevant QR-CODE for viewing and downloading the data sheet. In case of failure to download, please contact the Technical Department.

The information contained in the technical data sheet is the most up-to-date information available to us on which we reserve the right to make any necessary changes; however, this information must be considered as having no binding force and does not prove any legal contractual relationship or accessory obligation with the purchase contract. Since the use of the product also takes place outside of our control, responsibility for the incorrect use of the product lies exclusively with the user and therefore does not imply the assumption of any of our warranties and responsibilities for the final result of the workings. Any warranty statement for effectiveness purposes requires express and specific written confirmation by Pava Resine Srl. They also do not dispense the customer from the exclusive duty and responsibility of verifying the suitability of our products for their intended use and purposes; moreover, the customer is required to verify that the values given in the data sheet are also valid for the batch of product of his interest and are not superseded and/or replaced by later editions. This data sheet cancels and replaces the previous ones. For the rest, please refer to our General Terms and Conditions of Supply, in particular also regarding liability for any defects. Our General Terms and Conditions of Supply are available on our website at www.pavaresine.com

Data sheet nr. 752
Issue nr. 2
of 08/01/2024

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