

COMPOSITION

Dry Stone System - Binder for screeds with different types of aggregates in a suitable grain size curve for the creation of decorative floors with high UV resistance (consult our technical department). The main characteristics of the formulation propose its use also for outdoor use.

FIELDS OF APPLICATION

Synthetic resin-based, two-component, solvent-free formulation for spray application if required. The two highly reactive components are mixed together with the addition of different types of aggregates (marble, pebbles, quartz and others).

QUALITY

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

TECHNICAL SPECIFICATIONS

RESULTS

METHOD OF ANALYSIS

Catalysis ratio (*)	<p>100 parts by weight of BASE with 59 parts by weight of REAG. XV 100 parts by weight of BASIC with 94 parts by weight of REAG. XA For further information see our Operating Instructions.</p> <p>All Pava Resine formulations must be mixed thoroughly before proceeding with the various application steps. Manual mixing is not permitted; incorrect mixing will result in incomplete hardening of the coating.</p> <p>Mix the different components thoroughly by mixing at low speed in order to obtain a homogeneous colour mixture. It is recommended to take particular care when mixing all the mixture within the individual components; with the help of a spatula/knife, scoop the product from the walls/bottom of the pot in order to maintain the catalysis ratios.</p> <p>Pre-mix component A (Base) with a propeller/blade mixer and then add the second component B (reagent) and mix for a minimum of 3 minutes until the mixture is homogeneous in density and colour.</p>	13 IST 21
Specific Weight (**)	1,1 - 1,2 gr/cm ³ at 20 ± 2 °C.	ASTM D 1475 EN ISO 2811-1
High Solid Content (**)	100 (± 1) % Test Pava.	ASTM D 2369 EN ISO 3251
Viscosity at 25±2°C (**)	1000 - 2000 mPa s	ASTM D 2196 EN ISO 3219
Dilution (*)	Suitable thinner for polyurethane systems, only if required and depending on application.	13 IST 21
Mixture Duration (*)	<p>Dry Stone Pava 2K with REAG. XV: pot-life approx. 10-15 min. Touch-dry approx. 40 min. Tolerance of ambient humidity moderate</p> <p>Dry Stone Pava 2K with REAG. XA: pot-life approx. 15-20 min. Touch-dry approx. 50 min. Light ambient humidity tolerance</p> <p>Higher ambient and substrate temperatures may reduce the workability of the mix</p>	13 IST 22 EN 9514
Drying and Curing (*)	Touch dry after 40-60 minutes at 20 ± 2°C at 50 ± 10 % R.H. (rapid version) Two-coat curing: 10 to 16 h depending on environmental conditions. Tendency to blister and cloudiness at low temperatures (< 5°C) and high R.H. (> 70%).	ASTM D 1640 EN ISO 866
Overlay (**)	Compatibility and overpaintability, consult Technical Department.	ASTM D 1640
Consumption and Yield (*)	(theoretical) for each layer consult our technical department; pay attention to high thicknesses.	13 IST 03
Film Appearance (*)	Glossy, shiny; no yellowing or chalking due to UV exposure and with wear and ageing.	-
Number of Layers	One or more layers depending on the thickness of the screed required.	-
Tool washing	With suitable thinner.	-
Warehouse storage	<p>6 months in the original well-closed packaging in an airy and dry place at room temperature not below + 15°C.</p> <p>Do not expose packages directly to the sun. Protect against frost.</p>	-

(*) Tests carried out in accordance with the internal test plan, non-film specimens. REF UNI EN 13892-2 (high thickness)
 (**) Typical values

TECHNICAL DATA

After 7 days at 25 ± 2°C

The system is not self-supporting according to UNI10966, but conditioned by the substrate; the specimens are not made of film but according to UNI EN 13892-2.

Concrete Adhesion (MPa) ASTM D 4541 EN 1542	> 1,5
Abras. 1Kg 1000g ASTM4060 EN ISO 5470/1	< 18 mg (loaded with quartz)



Surface preparation

Sanding, shot peening, sandblasting, mechanical or manual abrasion; apply suitable adhesion promoter.

The substrate temperature must be at least 3°C above dew point.

Any imperfections or irregularities that may compromise the final aesthetic effect must be corrected by sanding and/or smoothing the substrate before applying the subsequent products.

In the presence of cracks and/or crazing 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 affect the product itself 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 Resine products, preliminary treatment of all critical points is mandatory (any cracks in the substrate, corners, edges, vertical lapels, expansion and/or structural joints, channels, gutters, guttering, eaves fittings, drainage outlets and downpipes, steps and thresholds, skylights, plant piping and through-bodies).

Application

The product cannot be applied directly on wet surfaces and/or surfaces without a vapour barrier and subject to rising damp. In such situations, create a vapour barrier by using Trico Bar Pava at a rate of at least 1.5 kg/m²: contact our Technical Office.

In situations of low temperatures < 15°C (both environmental and of the substrate) we recommend the use of the product Pava Rapid UV binder screed - Dry Stone (two-component) much faster system.

Colours and Packs

Available in the following packages with reagent 'XV':

Base kg. 3,370 + Reag. kg. 2,000 = total kg. 5,370 B+R

Available in the following packages with reagent "XA":

Base kg. 2,765 + Reag. kg. 2,600 = total kg. 5,365 B+R

Warnings

If, when the container is opened, the products should show any signs of instability/degradation such as thickening, crystallisation, gelatinisation, settling, flotation, etc., due to incorrect storage of the material (temperature/humidity) either during transport or in the final storage area, or use after the expiry date, we do not recommend using them.

Product for professional use.

Keep out of the reach of children. During use and drying, ventilate the premises thoroughly. 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 the eyes or skin, wash immediately with plenty of water and consult a doctor. In case of ingestion contact a poison control centre or doctor immediately. Air the premises before staying there.

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 internal and external surfaces, outlining the fundamental requirements, the set of knowledge, skills, autonomy and responsibilities that within the construction chain must distinguish and characterise these professional figures in 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 sector operators more precisely, highlighting the typical features of the sector. In addition, the standard outlines the resin systems operators by dividing them into four professional figures (specialised 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 resin coating sector therefore requires competence and professionalism, as described above. The latter can be certified according to UNI CEI EN ISO/IEC 17024 through a **licence** obtained by means of an examination (written, practical and oral test) taken with a third-party certified body, as defined by UNI 11835.

It is strongly recommended to take part in professionalising activities in order to acquire the professional qualification licence 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 of the QNQ classification (Recommendation 2017/C189/03, Annex II). Therefore, no responsibility can fall on the manufacturer in the event that the operator does not possess the qualification licence and the consequent validated skills, in the event of improper use or flaws in the works carried out, as the products must be intended for strictly professional use.

Furthermore, it is strongly recommended to attend an applicators' course before using Pava Resine products. Anyone using these products without authorisation does so at their own risk.

Rules to be observed

The above products have a low environmental impact and reduce solvent pollution, improving quality, safety and hygiene for the user. We recommend scrupulous observance of the hygiene regulations in use for handling resins (Circ. Min. Lav. 46/1979 and 61/1989). For information see our safety data sheet.

QR-CODE: IF THE LABEL IS NOT DOWNLOADABLE, PLEASE REQUEST A NEW ONE. The information contained in the data sheet is the latest available to us and we reserve the right to make any necessary changes; however, this information is to be regarded as non-binding and bears no legal contractual relationship or ancillary obligation to the contract of sale. Since the use of the product also takes place outside of our control, any liability for the incorrect use of the product lies exclusively with the user and therefore does not imply that we assume any guarantee or liability for the end result of the work. Any declaration of warranty for the purpose of effectiveness requires express and specific written confirmation by Pava Resine Srl. Furthermore, they do not relieve the customer from the exclusive burden and responsibility of verifying the suitability of our products for the use and purposes they are intended for; moreover, the customer is obliged to check that the values given in the technical data sheet are also valid for the batch of product he/she is interested in and are not superseded and/or replaced by subsequent editions. This data sheet cancels and replaces the previous ones. For the rest, please refer to our General Terms and Conditions of Delivery, in particular also with regard to liability for defects. Our General Terms and Conditions of Supply are available on our website at www.pavaresine.com.

