

# Pava Drystone®

Non-yellowing, medium pot-life grit binder

|                              |                                                                                                                                                                                                                                                                                                                             |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Composition</b>           | Dry Stone Mono WP System - Binder for different types of aggregates in a suitable grain size curve for the production of decorative drainage paving with high UV resistance (consult our technical department). The main characteristics of the formulation allow it to be used mainly outdoors, even at high temperatures. |
| <b>Fields of application</b> | A synthetic resin-based, solvent-free formulation for applications with the possibility of adding different types of aggregates (marble, pebbles, quartz and others).                                                                                                                                                       |
| <b>Quality</b>               | 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          | The resin/inerte mix ratio varies from 1:18 to 1:22 depending on the grain size and nature of the aggregate (corresponding to a product consumption of 4.5% to 5.5% in relation to the aggregates). All Pava Resine formulations must be mixed thoroughly before proceeding to the various application stages. Manual mixing is not permitted; incorrect mixing will result in incomplete hardening of the coating.<br><br>Pre-mix the product with a propeller/shovel mixer, then add the selected aggregates and mix for a minimum of 3 minutes until the mixture is homogeneous in density and colour. | 13 IST 21                    |
| Specific Weight          | 1,1 - 1,2 gr/cm <sup>3</sup> at 20 ± 2 °C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ASTM D 1475<br>EN ISO 2811-1 |
| High Solid Content       | 100% Test Pava.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ASTM D 2369<br>EN ISO 3251   |
| Viscosity at 25 ± 2°C    | 800 - 1800 mPa s.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ASTM D 2196<br>EN ISO 3219   |
| Dilution                 | Ready to use.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 13 IST 21                    |
| Mixing duration          | Pot-life approx. 30-60 minutes at 20 ± 2°C.<br>Higher ambient and substrate temperatures may reduce the workability of the mixture.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 13 IST 22<br>EN 9514         |
| Drying and curing        | To the touch after 5 to 7 hours at 20 ± 2°C at 50 ± 10 % R.H. Hardening per layer: 10 to 16 h depending on environmental conditions. Tendency to blister and cloudiness at low temperatures (< 15°C) and high R.H. (> 65%).                                                                                                                                                                                                                                                                                                                                                                               | ASTM D 1640<br>EN ISO 866    |
| Covering                 | Compatibility and overpaintability, consult Technical Department.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ASTM D 1640                  |
| Consumption and Yield    | (theoretical) 1,000 - 1,300 kg/m <sup>2</sup> per cm of thickness in relation to the aggregate used and the mixing ratio. Consult the Technical Office.                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 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 special PSP thinner (for polyurethane systems).                                                                                                                    | - |
| Warehouse storage | 6 months in the original, tightly closed packaging at an ambient temperature of not less than +15°C. Do not expose packaging to direct sunlight. Protect against frost. | - |

*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. Results after 7 days at 25 ± 2°C.*

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|---------------------------------------------------------------------------------|-----------------------|
| ClS Adhesion (MPa) ASTM D 4541 EN 1542                                          | > 1,5                 |
| Abrasion (2x1Kg 1000rpm) ASTM D 4060 EN ISO 5470/1                              | < 33 mg (solo resina) |
| No colour change recorded after 90 hours of exposure to UV lamp.                |                       |
| No cracking, deformation or cracking after freeze-thaw cycles (+50°C to -11°C). |                       |

## 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 cracking processes and/or crazings in the substrate, carefully check the nature of these phenomena: whether they are due to plastic shrinkage, and whether they are due to tensional-structural phenomena affecting the substrate itself. In the case of both static and dynamic fissures/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 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 pipes and through-bodies).

## Application

The material 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 using Trico Bar Pava at a rate of at least 1.5 kg/m²: please contact our Technical Office.

## Colours and packs

Available in metal containers of 16,000 and 20,000 kg.

## 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 ≥ 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](http://www.pavaresine.com)

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