

COMPOSITION Epoxy-modified formulation, two-component, solvent-free and transparent with medium Pot-Life; suitable for roller/spatula applications at low thickness.

FIELD OF USE Transparent and/or glossy coloured coating with low thickness on concrete surfaces as decorative dustproof and oilproof; driveway for light rubber transit and chemical resistant.

Antibacterial and disinfected.

On request, also in the antistatic version, Pavaglass UV/E Ionic. For further information, please refer to our Technical Office.

Working temperature from -10°C to +40° C.

CERTIFICATIONS

- Compliance with LEED regulations for low emitting materials, EQ Credit 4.1—4.2—4.3 reduction of the emission of pollutants (VOC) inside buildings.

QUALITY The product is subjected to careful and constant testing in our laboratories. The raw materials used are rigorously selected and controlled.

TECHNICAL SPECIFICATIONS	RESULTS	ANALYSIS METHOD
Mixing Ratio (*)	<p>100 parts in weight of Base with 62 parts in weight of Reagent.</p> <p>All Pava Resine products must be mixed thoroughly before proceeding with the various application phases. Manual mixing is not permitted; incorrect mixing causes the coating to not completely cure.</p> <p>Combine the different components, taking care to mix thoroughly by mixing at low speed in order to obtain a homogeneous color mixture. It is recommended to take particular care in mixing all the compound inside each individual components; with the help of a spatula/knife collect the product from the sides/bottom of the pot in order to maintain the catalysis ratios.</p> <p>Mix component A (Base) with a propeller/blade mixer and then add component B (reagent) and mix for a minimum of 3 minutes until the mixture is homogeneous in density and chromaticity.</p>	13 IST 21
Specific Weight (**)	1,06 - 1,12 gr/cm ³ at 20 ± 2°C.	ASTM D 1475 EN ISO 2811-1
High Solid Content (**)	99 (±1) %	ASTM D 2369 EN ISO 3251
Viscosity at 25±2°C (**)	200 - 800 MPas	ASTM D 2196 EN ISO 3219
Adhesion to Concrete (*)	> 1,5 MPa	ASTM D 4541 EN 1542
Abrasion (1 Kg 1000 cycles CS10) (*)	<50 mg	ASTM D 4060 EN ISO 5470/1
Fire Reaction (*)	B _{fl} -s1	EN 13501 - 1
Surface Hardness Shore (*)	> 98 A	UNI EN ISO 866
Break Elongation (*)	1,8 ± 0,5 %	/
Dilution (*)	<p>Depending on the needs and environments in which it has to be applied: with ethyl alcohol (food grade), clear alcohol or epoxy thinner (for other uses).</p> <p>The percentage varies from 30% to 100% depending on the porosity and absorption of the substrate for roller applications.</p> <p>For spatula applications, dilute from 10 to 15% if applied on smooth substrates, pure or diluted.</p>	13 IST 21
Mixture Duration (*)	Pot-life 50 - 70 minutes at 20 ± 2°C.	13 IST 22 EN 9514
Drying Time (*)	Touch dry after 6 - 7 hours at 20 ± 2 °C and 50 ± 10 R.H. Hardening of the film from 4 to 8 days, depending on temperature. Tendency to opacification and clouding in environments with low temperatures (< 15° C) and high R.H. (> 70%).	ASTM D 1640 EN ISO 866



TECHNICAL SPECIFICATIONS	RESULTS	ANALISYS METHOD
Recoating (**)	After 10 - 18 hours depending on the temperature, no later than 48 hours. Compatibility and over-coating, refer to our Technical Office.	ASTM D 1640
Consumption and Yield (*)	Theoretical for each layer $0,100 \div 0.150 \text{ Kg/m}^2$ at a thickness of $\mu\text{m } 60 \div 80$, or depending on the substrate on which it is applied.	13 IST 03
Appearance of the Film (*)	Glossy, transparent; very light yellowing due to U.V. exposure and with wear and aging, also in matt version.	/
Number of Layers	One or more layers depending on the required film thickness. At high thickness it may not be perfectly transparent.	/
Tools Washing	With nitro thinner.	/
Storage Life	12 months in its original, well-closed packaging, in ventilated and dry rooms; if possible at room temperature. Do not expose the packages directly to the sun. Keep away from frost.	/

(*) Tests performed according to the methods indicated in the internal control plan. The product is not self-supporting UNI10966, but conditioned by the support.
No film tests RIF. ISO UNI EN 13892 - 2 (hightickness).
(**) Typical Values

Preparation of Surfaces

Clean perfectly the surface, which must be healthy, seasoned, dry and sufficiently rough (sanding if necessary).

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

In the presence of cracking processes in the support, carefully check the nature of these phenomena: if due to plastic shrinkage, and if due to stress-structural phenomena affecting the support itself. Both in the case of static and dynamic cracks consult our Technical Office in order to intervene appropriately. No responsibility can fall on the product in the event that these cracking processes affect the same as, according to UNI EN 10966, these systems are not self-supporting.

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

Before proceeding with the application of Pava Resine products, the preliminary treatment of all the critical points is mandatory (possible cracks in the support, corners, edges, vertical folds, expansion and/or structural joints, drains, grids, gutter connections, drainpipes, steps and thresholds, plant pipes, etc).

Application

Brush, roller and airless with temperatures not lower than + 10°C. Since the film produced is almost waterproof, bubbles or detachments can be generated in the presence of humidity.

Packs & Colors

Available in the following packaging:

Base Kg. 0,550 + Reag. Kg. 0,335 = Total Kg. 0,885 B+R

Base Kg. 2,740 + Reag. Kg. 1,675 = Total Kg. 4,415 B+R

Base Kg. 5,480 + Reag. Kg. 3,350 = Total Kg. 8,830 B+R

Warnings

If at the opening of the container the products show signs of instability/deterioration including thickening, crystallization, gelatinization, sedimentation, flotation, etc. due to incorrect storage of the material (temperature/humidity) both during transport and in the final warehouse or for use beyond the expiration date, the use is not recommended.

Product for professional use.

It is strongly recommended to take part to the applicators course before using Pava Resine products. Anyone who uses these products without being enabled, does so at their own risk.

Keep out of reach of children. Ventilate the premises well during use and drying. Do not eat, drink or smoke during use. During use, wear protective gloves and goggles and use the usual precautions for handling chemical products. In case of contact with eyes or skin, wash immediately with plenty of water and consult a doctor. If swallowed contact a poison control center or a doctor immediately. Ventilate the premises before staying there.



Rules to be observed

The above mentioned products and technologies results low-environmental impact and allow to reduce the internal and external pollution caused by solvents, improving the safety and hygiene of the user. Compliance to the hygienic standards in force for the use of epoxy resins is strongly recommended (Circ. Min. Lav. 46/1979 e 61/1989). For further information, see our Safety Data Sheet.

Handling Precautions

NOT RECOMMENDED FOR:

DO NOT apply on concrete which is less than 10 days old.
DO NOT apply on concrete with a curing or sealing membrane.
DO NOT apply on base concrete at a temperature lower than 10°C (50°F).
DO NOT dilute with ethyl alcohol.

SLIP/FALL PRECAUTIONS: We recommend using slip resistant granules in all outdoor applications where the product will be used and on indoor applications that may be exposed to water, oil or other spills that may cause a slippery environment. Polymer or glass microfibers may be added into the product to achieve the amount of slip resistance desired. It is the end user's responsibility to determine the suitability of a coating for their particular application. Pava Resine will not be responsible for injury incurred in a slip/fall accident.

SAFETY PRECAUTIONS: Health Considerations: Consult our Safety Data Sheet.

Chemical systems require the use of proper safety equipment and procedures. Please follow our Safety Data Sheet for detailed information and handling guidelines.

For Your Protection: the information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning the products and their uses, applications, storage and handling are only the opinion of Pava Resine. Users should conduct their own tests to determine the suitability of these products for their own particular purposes and of the storage and methods herein suggested. The toxicity and risk characteristics of products made by Pava Resine will necessarily differ from the toxicity and risk characteristics developed when such products are used with other materials during a manufacturing process. The resulting risk characteristics should be determined and made known to ultimate end-users and processors.

Because of numerous factors affecting results, Pava Resine makes no warranty of any kind, express or implied, other than that the material conforms to its applicable current Standard Specifications. Pava Resine hereby disclaims any and all other warranties, including but not limited to those of merchantability or fitness for a particular purpose. No statements made herein may be construed as a representation of warranty, negligence, strict liability, or otherwise shall be limited to the purchase price of the material.

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