

COMPOSITION

Two-component epoxy water-borne system with low viscosity, high wetting power.
 TRANSPARENT VOC limit 30 g/l (0,250 lb/gal) - real VOC < 25 g/l (0,209 lb/gal), water excluded.

FIELD OF USE

Thin film transparent coating as anti-dust for industrial flooring, suitable for light traffic, anti-oil. Suitable for anti-evaporation performance, and for adhesion primer for resin systems and for concrete casting with thickness ont inferior to 5 mm. Applied on porous supports, it is also able to consolidate the surface.

Operating temperature -10° to +40° C (14° to +104° F).

CERTIFICATIONS

- Protective concrete coating according to EN 1504-2, DoP nr 161015-2018, Factory Production Control Body certification nr. 0546, 2017 certificate, which issues the CE marking.
- Fire certification class Bfl-S1 (EN 13501-1).
- EPA (Environmental Protection Agency) certified for very low emissions, according to EN-ISO 16000 and AgBB "Evaluation procedure for VOC emissions of construction products" Report nr. 162477-002, 19/01/2017.
- 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.

MARKING



EN 1504-2

Products and systems for the protection and repair of concrete structures

- *protection against the risks of penetration (1.3)*
- *humidity control (2.2)*
- *physical endurance (5.1)*
- *increase in resistivity (8.2)*

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

ANALISYS METHOD

TECHNICAL SPECIFICATIONS	RESULTS	ANALISYS METHOD
Mixing Ratio (*)	100 parts (weight) of BASE REFORM-A PAVA 72 to 92 parts (weight) of REAGENT W. All Pava Resins 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. 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. 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 .	13 IST 21
Specific Weight (**)	1,05 - 1,13 g/cm ³ (8,76 - 9,43 lb/gal) a 20 ± 2° C (68 ± 2° F).	ASTM D 1475 EN ISO 2811-1
High Solid Content (**)	70 - 75 %	ASTM D 2369 EN ISO 3251
Viscosity (**)	800 - 2500 mPa s (cps)	ASTM D 2196 EN ISO 3219
Adhesion to Concrete (*)	> 1,5 MPa (217,56 psi)	ASTM D 4541 EN 1542
Abrasion (1 Kg 1000 cycles CS10) (*)	< 78 mg	ASTM D 4060 EN ISO 5470-1
Hardness Shore	> 95 A	EN ISO 866



COMPANY WITH
 UNI EN ISO 9001
 QUALITY MANAGEMENT SYSTEM
 CERTIFIED BY CERTIQUALITY



TECHNICAL SPECIFICATIONS	RESULTS	ANALISYS METHOD
Break Elongation	< 2,0 %	/
Dilution (*)	With water (not frozen) with mixing ratio from 1 : 5 to 1 : 2 (resin : water, as anti-dust coating) in relation to the surface (porosity, adsorption, etc.). Add slowly water and mix properly with a drill; if the surface is wet, reduce the quantity of water in the dilution.	13 IST 21
Mixture Duration (*)	Pot life of 60 - 70 min. at 20 ± 2° C (68 ± 2° F) and 50 ± 10% environmental humidity.	13 IST 22 EN 9514
Drying Time (*)	Touch dry after 14-16 hours at 20 ± 2 °C (68 ± 2° F) and at 50 ± 10% environmental humidity; full curing is reached after 4 to 7 days, depending on the temperature and environmental humidity. Tendency to become matt and hazing with temperatures lower than 10°C (50°F) and high environmental humidity (>70%).	ASTM D 1640 EN ISO 866
Recoating (**)	After 24-48 hours , depending on the temperature, the humidity of the surface (less than 4.5% - data measured with carbide hygrometer) and the existing amount of air change rate. For compatibility and overcoating please refer to our technical office.	ASTM D 1640
Consumption and Yield (*)	(theoretical for each layer, as anti-dust coating) 0,100 - 0,150 Kg/m ² (379,9 - 569,8 ft ² /gal) Base + Reag. diluted product.	13 IST 03
Appearance of the Film (*)	Satin; yellowing under U.V. and with aging.	/
Number of Layers	For the anti-dust treatment two layers are recommended; one layer for concrete casting.	/
Tools Washing	With nitro thinner.	/
Storage Life	12 months in original, well closed packing, in properly ventilated, dry place at a temperature of not less than + 10° C (+ 50° F). 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 (highthickness).
(**) Typical Values

Preparation of Surfaces

Sandblasting or excellent manual preparation (sanding and/or scraping of the parts which are perfectly adherent to the substrate such as old paint peeling off, mold, oils, greases).

MOISTURE VAPOR TESTING: All concrete floors not poured over a proper moisture barrier, are subject to possible moisture vapor transmission or hydrostatic pressure problems which can cause a coating system to blister or fail. Before applying a coating system over a concrete floor which is on-grade or below grade, the customer should be informed of this potential problem and given the option to have a qualified moisture testing company perform calcium chloride test, or other tests, to give the proper recommendations.

For residual humidity values greater than or equal to 4.5% (measured with calcium carbide), see Uff. Technical; even in the presence of rising damp from the support it is strongly recommended to consult our Technical Office in order to ascertain the type and modality of this humidity, both as regards the quantity of water in the liquid state and in the vapor state.

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



Application

By brush or roller. Apply one layer each day with temperatures of not less than + 10° C (+50°F). Since the film produced is almost impermeable, bubbles or gaps can be generated in the presence of high humidity.

Packs & Colors

Available in the following packing:

Base kg. 0,630 + Reag. kg. 0,570 = total kg. 1,200 B+R
 Base kg. 2,850 + Reag. kg. 2,650 = total kg. 5,500 B+R
 Base kg. 5,000* + Reag. kg. 4,600 = total kg. 9,600 B+R.

* ADR's Special Provision (DS 375) for ROAD, SEA and AIR transport provides for total exemption for environmental pollutants marked with UN number 3082 when transported in packaging with a net content of less than 5 lt (given the relative density of about 1.13 g/cm³ of the Base component, the total in lt. is equal to a lower value of 5 lt. required by the Regulations). Consult Safety Data Sheet.

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 use 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 permit to reduce the internal and external pollution caused by solvents. Compliance to the hygienic standards in force as the use of epoxy resins is strongly recommended. For more informations, see our Safety Sheet.

Handling Precautions

NOT RECCOMENDED 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.

