

Autopava 2K HP

SELF-LEVELLING EPOXY FORMULATION

Composition

Two-component pigmented modified epoxy formulation for the production of synthetic self-levelling mortars, also suitable for roller application (HP greater coverage).

Actual VOC < 35 g/l.

Fields of application

Easy-to-maintain continuous flooring with good resistance to traffic from rubber-tired vehicles with medium-light loads, pigmented and in a glossy version.

Operating range from -10°C to +40°C.

Certifications



- LEED regulatory compliance for low-emitting materials, EQ Credit 4.1—4.2—4.3, reduction of pollutant emissions (VOCs) inside buildings.

- The product complies with Ministerial Decree 11/10/2017 and meets requirement b, found in section 2.5.13 Paints and Varnishes of the CAM EDILIZIA (minimum environmental criteria).

- Bfl-s1

Quality

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

Technical specifications

Results

Method

Technical specifications	Results	Method
Catalysis ratio	<p>NEUTRAL version: 100 parts by weight of BASE (Part A) with 22 parts by weight of REAGENT (Part B).</p> <p>COLOURED version (p10): 100 parts by weight of BASE (Part A) with 19 parts by weight of REAGENT (Part B).</p> <p>All Pava formulations must be mixed thoroughly before proceeding with the various application stages. Manual mixing is not permitted; incorrect mixing will result in incomplete hardening of the coating.</p> <p>Add the previously premixed components and mix with a low-speed mixer for at least 3 minutes until the product is homogeneous.</p> <p>Combine the different components, taking care to mix thoroughly at low speed in order to obtain a homogeneous colour mixture. It is recommended to take particular care in mixing all the compound present inside the individual components; with the help of a spatula/knife, collect the product from the walls/bottom of the container in order to maintain the catalysis ratios unchanged.</p> <p>For the coloured version, it is recommended to use the complete packs. If it is necessary to divide the packs, take care to mix the coloured component well to disperse the pigments evenly. Using a precision scale, divide the components, paying close attention to maintaining the catalysis ratios of the individual elements in order to avoid poor performance.</p>	13 IST 21

Specific Weight	1,35 - 1,50 g/cm ³ a 20 ± 2 °C, depending on the colour.	ASTM D 1475 EN ISO 2811-1
High Solid Content	100 (±1) % according to internal test lab procedures.	ASTM D 2369 EN ISO 3251
Viscosity at 25 ± 2°C	2000 - 4500 MPa s	ASTM D 2196 EN ISO 3219
Dilution	Ready to use.	13 IST 21
Mixing duration	Pot life 45 - 55 minutes at + 20 ± 2°C (mixed product).	13 IST 22 EN 9514
Drying and curing	Touch dry after a maximum of 10 hours at 20 ± 2°C, hardening from 4 to 6 days depending on the ambient temperature. Tendency to become opaque and cloudy in environments with low temperatures (<10°C) and high relative humidity (>70%).	ASTM D 1640 EN ISO 866
Covering	After 24/48 hours depending on the temperature and thickness obtained. For compatibility and recoatability, consult the Technical Department.	ASTM D 1640
Consumption and Yield	(theoretical) 1,500 - 1,800 kg/m ² - mass per mm of thickness.	13 IST 03
Film Appearance	Glossy, slight tendency to yellowing and crumbling due to UV exposure, wear and ageing.	-
Number of layers	One.	-
Tool washing	With nitro thinner.	-
Consumption and Yield	Component A (Base): 6 months from the date of manufacture (batch number shown on the label with YYMMDD); Component B (Reagent): 12 months from the date of manufacture (batch number shown on the label with YYMMDD). Both components must be stored in their original, tightly closed packaging, in a well-ventilated, dry place at room temperature and not below +15°C. Do not expose the packaging to direct sunlight. Protect from 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.

CLS adhesion (MPa) ASTM D 4541 EN 1542	> 2,0
Surface hardness Shore UNI EN ISO 866	> 97 A
Thermal expansion coefficient (cm/cm°C)	2,5 E-5
Taber abrasion (1 kg, 1000 revolutions) ASTM D 4060 EN ISO 5470/1	< 89 mg
Reaction to fire EN 13501-1	B _{fl} -s1
Elongation at break (%)	< 1%

(*) *Technical specification stated in the certificate of analysis*

Surface preparation

Mechanical or manual abrasion, shot-blasting and/or bush-hammering. Any imperfections or irregularities that may compromise the final aesthetic effect must be corrected by sanding and/or regularising 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 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 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

Notched trowel or squeegee, with temperatures not below $+18^{\circ}\text{C}$. With the necessary precautions, it is possible to apply with a roller of suitable size and pile length. Since the film produced is almost impermeable, bubbles or detachments may occur in the presence of moisture.

Colours and Packs

Available in the following packages:

NEUTRAL version

Base 12.070 kg + Reagent 2.610 kg = total 14.680 kg B+R

COLOURED version (p10)

Base 13.540 kg + Reagent 2.610 kg = total 16.150 kg B+R

Colours available in the PAVA colour chart. ΔE Cielab < 5.0 non-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.

The UNI 11835 standard, in force since 2021, defines and certifies the figure of the applicators and commercial

UNI Standard 11835

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

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