

Pava Extrapol®

Transparent two-component solvent-based super opaque polyurethane top coat

Composition	A solvent-based, two-component polyurethane formulation characterised by an outstanding degree of opacity of the final surface.
Fields of application	An aliphatic product and therefore suitable for indoor decorative applications. Suitable in civil and commercial contexts, also for wet areas such as bathrooms or kitchens. The product is resistant to diluted acids and alkalis or salt solutions as well as short-term exposure to solvents. The product is treadable according to the UNI EN ISO 10545-7 and UNI EN 14411 standard references in relation to the system to which it is applied. It does not offer total resistance to tyres and therefore prolonged contact with them could leave an impression (migration of the plasticiser).
Certifications	LEED compliance for low emitting materials, EQ Credit 4.1-4.2-4.3, reduction of the emission of pollutants (VOC) inside buildings.
Quality	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	100 parts by weight of Base with 25 parts by weight of Reagent All Pava Resine formulations must be mixed thoroughly before proceeding to the various application steps. Manual mixing is not permitted; incorrect mixing will result in incomplete hardening of the coating. Pre-mix component A (Base) with a propeller/shovel, then add the second component B (Reagent) and mix for a minimum of 3 minutes until the mixture is homogeneous in density and colour. Combine the two components, taking care to mix thoroughly by stirring at low speed in order to obtain a homogeneous 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 jar in order to maintain the catalysis ratios. Observe particular care in the partial use of the 'Part B - reagent' package and its subsequent closure and re-opening for re-use. In order to preserve the contents, it is necessary to turn the can upside down for 3 to 5 minutes after closing the package: this promotes the formation of a film of product near the edge of the lid, which reacts with the moisture to re-seal the contents and thus promote a longer life of the product inside.	13 IST 21
Specific Weight	1,05-1,10 gr/cm ³ at 20 ± 2 °C.	ASTM D 1475 EN ISO 2811-1
High Solid Content	> 60%.	ASTM D 2369 EN ISO 3251

Viscosity at 25 ± 2°C	250 - 400 mPa s, possibly diluted with ns thinner.	ASTM D 2196 EN ISO 3219
Dilution	Ready-to-use product.	13 IST 21
Mixing duration	50-70 minutes at 20±2° C polyurethane PSP of 2-5%.	13 IST 22 EN 9514
Drying and curing	20-24 hours at 20±2°C. 2 - 3 days for mechanical load at 20°C 7 days for chemical resistance at 20°C.	ASTM D 1640 EN ISO 866
Covering	After curing, at the earliest after 18 to 24 hours, but no more than 48 hours at 20°C.	ASTM D 1640
Consumption and Yield	(theoretical per layer) 0.100 - 0.150 kg/m ² , per application.	13 IST 03
Film Appearance	Gloss level 5-15 (85°).	-
Tool washing	With polyurethane thinner or nitro thinner.	-
Warehouse storage	Component A (Base): 12 months from date of manufacture (lot no. on label with AAMMGG); Component B (Reagent): 6 months from date of manufacture (lot no. on label with AAMMGG). Both in the original tightly closed packaging in an airy, dry and frost-free environment. Ideal for storage is a temperature between 10 and 20°C. Bring to a suitable processing temperature before application. Close opened packages tightly and consume the contents as quickly as possible. Observe storage regulations for products containing solvents.	-

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.

Water absorption DIN 53495	< 0,2 %
Abras. 1Kg. 1000g ASTMD4060 EN ISO 5470/1	< 50 mg

Surface preparation

The substrate to be coated must be dry and free of dirt. The formulation is typically applied as the last layer when creating a floor covering. It is therefore necessary to ensure that the previous layer is not soiled and/or contaminated. Avoid contact with water for at least 7 days after application.

Application Conditions

The floor and air temperature must not fall below 10 °C, the room humidity must not exceed 75 %. The temperature difference between the floor and the room must remain below 3 °C in order not to hinder the curing process.

Pay particular attention to the dew point as it may affect adhesion to the substrate and cross-linking of the formulation.

Application

Application by solvent-resistant short-pile roller. Immediately after mixing the material, apply the formulation avoiding direct exposure to sunlight or drafts. Application and smoothing with a plastic trowel is also possible. To avoid overlapping of the material, it is advisable to divide the working areas beforehand. For large areas, application with two or more persons is recommended (one or more persons apply the material in one direction).

while another person distributes the fresh material; always work "fresh on fresh" for optimum distribution of the material).

Avoid stagnation of material that could compromise the transparency of the finish created. Given the particular opacity of the system, care must be taken when positioning the tread/new tyres as the presence of paraffins/plasticisers can promote the formation of unwanted black marks that are difficult to remove.

Colours and packs

Available in the following packages:

Base kg. 4,000 + Reagent kg. 1,000 = total kg. 5,000 B+R

Base kg. 8,000 + Reagent kg. 2,000 = total kg. 10,000 B+R.

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.

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

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