

Two-component Classic PDA Epoxy Enamel

Two-component, low-thickness polyamide epoxy finish paint that, after being applied and drying, provides a film with excellent adherence to various surfaces, high glossiness, high hardness, excellent resistance to abrasion and humidity and is easy to clean.

This is a product that, due to its characteristics, becomes versatile for multiple applications such as bathrooms, sports courts, kitchens, cafeterias, hospitals, workshops, parking lots, among others.

This product is compliant with ABNT NBR 11702 type 4.2.1.12

USE RECOMMENDATIONS

Indicated for internal application in metallic structures in general, wood, cemented floors, masonry walls, enameled ceramic floors and tiles. If the substrate to be applied is galvanized material, aluminum, zinc or any very smooth substrate, apply the Wash Primer to promote better adherence.

BASIC PROPERTIES

Colors	15 line colors
Finish	Shiny
Solids per Mass	60% ± 2
Solids per Volume	55% ± 2
VOC	490.05 g/L
Specific Weight at 25°C	1.10 g/cm ³ (approximate value)
Flash Point	38°C
Storage time	Component A 36 months Component B 12 months
Toxicity	Consult MSDS
Type of packaging	Component A: 2.7L Component B: 900 mL
Shelf life of the mixture	Up to 4 hours after mixing components
Application method	Airless spray, conventional spray gun, roller and brush

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APPLICATION DATA

Mix ratio

Ratio of three parts of component A to one part of component B, diluting from 5 to 10% for application with a roller and brush and from 10 to 15% for application with a spray gun.

Example: 2.7L of Component A + 900 mL of Component B.

Add component A to component B under stirring and wait 30 minutes to induce the reaction. After diluting with Thinner Anjo 4000 and starting the application.

Recommended number of coats

Apply 2 to 3 cross-coats, or as needed, respecting an interval of 16 to 24 hours between coats.

Thickness per coat:

Wet film thickness: 75 to 100 μm

Dry film thickness: 30 - 40 μm

Theoretical spreading rate:

37 to 50 $\text{m}^2/\text{gallon}/\text{catalyzed coat}$

Comments: Spreading rate values may vary according to application method, dilution, environmental conditions, and surface, and are calculated at the recommended dry coat thickness.

Dilution:

5 to 10% in volume for application with a roller and brush and 10 to 15% in volume for application with a spray gun with Anjo Thinner 4000 reducer

DRYING

Temperature

25°C

To touch

2 hours

Handling

5 hours

Repainting

16 to 24 hours

Full cure

7 days

Considerations: If the maximum limit indicated for repainting is exceeded, it will be necessary to sand the surface. Relative Air Humidity Condition: 55 to 80%. The useful life time of the mixture varies with the temperature (high temperatures – low pot-life, low

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temperatures high pot-life), so we recommend keeping the catalyzed material indoors, avoiding direct sunlight on the product. When this is not possible, pay attention to the catalyzed amount, reducing the prepared volume as much as possible. As it is a chemical reaction curing product, curing may be delayed at low temperatures. A minimum temperature of 15°C must be ensured during curing. Do not clean with a dry cloth or abrasive material as the surface may become matted.

SURFACE PREPARATION - ABNT NBR 13.245 Standard

In any painting, surface preparation is one of the ways to guarantee an impeccable finish, resistance and durability of the paint. Therefore, the first step is to clean the surface, which must be dry, firm and free of dust, free of contaminants such as oils, salts, grease, fat, dust, etc., duly applied with the recommended primer. Loose or poorly adhered parts must be scraped and/or brushed.

On aged paint, sand superficially, leaving the surface free from shine and removing loose particles. Before starting painting, observe the following instructions:

TYPE OF SURFACE	TREATMENT
Metal structures in general	Sand the surface eliminating rust or loose parts. Eliminate oily contaminants or dust with a cloth dampened with Anjo Degreaser solution. Apply the Anjo Classical PDA Epoxy Primer and wait for a 16 to 24 hour interval between coats to apply the finish paint.
Wood	Sand the surface, eliminating splinters and/or loose parts. Eliminate the dust. Apply the Anjo Classical PDA Epoxy Primer and wait for a 16 to 24 hour interval between coats to apply the finish paint. Green wood should not be painted.

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Floor	<p><u>Plaster and concrete surfaces</u>: wait for drying and curing for 30 days until the appearance is very firm and free of lime. Apply a coat of Anjo Epoxy Floor Sealer, wait for a drying time of 24 hours and apply the Anjo PDA Classical Epoxy Primer and wait for the interval time between coats of 16 to 24 hours to apply the finish paint.</p> <p><u>Burned</u>: Wash with acid solution (proportion: 5% muriatic acid to 95% water by volume), leaving it to act until the surface presents a coarse and rough appearance, preventing the formation of puddles. After applying the acid solution, wash with plenty of water and allow to dry (at least 48 hours). Apply a coat of Anjo Epoxy Floor Sealer, wait for a drying time of 24 hours and apply the Anjo PDA Classical Epoxy Primer and wait for the interval time between coats of 16 to 24 hours to apply the finish paint.</p>
Masonry Walls	Await drying and curing for 30 days. If you wish to apply putty, it is mandatory to apply Anjo Acrylic Putty and a coat of Classical PDA Epoxy Primer, wait for the time interval between coats of 16 to 24 hours to apply the finish paint.
Glazed ceramic floors and tiles	Wash the surface and grout with water and detergent, removing all grease and mold, let it dry completely, apply one to two coats of Anjo Epoxy Sealer, wait for a drying time of 24 hours and apply the finish paint.
Fat or grease stains	Wash with water and detergent, rinse and wait for drying.
Repainting	Note the general condition of the old paintwork. If it is in good condition, previously test whether the existing paint resists the Anjo Classic PDA Epoxy Enamel solvent system, applying it to a small area. If there is no wrinkling, sand, remove the dust and apply Anjo Classic PDA Epoxy Enamel. If there is wrinkling, remove the old paint.

This product is not recommended for surfaces that will be exposed to heavy traffic such as trucks, forklifts, tractors, industrial equipment, etc. Not recommended for swimming pools.

APPLICATION METHOD

The following data serves as a guide, similar equipment may be used. Changes in pressures and nozzle sizes may be required to improve spray characteristics.

Before application, make sure that the equipment and its components are clean and in the best condition.

Purge the compressed air line to prevent paint contamination. After mixing the two-component products, if there are interruptions in the application, and their pot-life has been exceeded (paint shows variation in fluidity), the product may not be diluted again for later application.

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Reinforce all sharp corners, cracks and weld beads with a brush to prevent premature failure in these areas. When applying by spraying, make a 50% overlap of each pass of the spray gun to avoid uncovered and unprotected areas, ending with a cross-pass.

Airless pistol:	
Use Airless	60:1
Fluid pressure	1500 - 2000 psi
Hose	¼" in diameter
Internal spout	0.013" - 0.15"
Filter	Mesh 60
Conventional spray gun:	
Spray gun	JGA 502/3 Devilbiss
Fluid nozzle	FX
Air cover	704
Atomization pressure	60 – 65
psi Pressure in the tank	10 – 20

Brush: Recommended only for touch-ups of small areas or “stripe coat” (bolts, nuts, weld beads, sharp corners and touch-ups).

Roll: Use sheepskin or synthetic wool rollers for low-pile epoxy paints (5.0mm).

Note:

- 1- For application by brush or roller, it may be necessary to apply in two or more passes to obtain an even coat according to the recommended film thickness per coat.
- 2- Do not apply with relative humidity above 85%.
- 3- Only apply if the substrate temperature is at least 3°C above the dew point.
- 4- Do not let the catalyzed product remain in contact with the hoses, spray guns and equipment used in the application; for temperatures above those described in the pot-life table, the paint will present variation in its fluidity and will harden, which will hinder cleaning.
- 5- Thoroughly wash all equipment used with cleaning solvent.

APPLICATION INSTRUCTIONS

Before starting any painting, always pay attention to the following procedure:

Sand: sand the surface, removing loose parts and promoting greater adhesion to the product that will be subsequently applied.

Clean: Clean with a cloth or broom to remove dust from the surface and ensure adherence of the product that will be applied to the surface.

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Seal: The use of primers evens out surface absorption, in addition to significantly improving the spreading rate of the product to be applied.

Homogenize: Homogenization is required for the complete mixing of all paint components, as well as the dispersion of pigments. As the product will be kept in stock, this operation is indispensable for the characteristics to remain unchanged.

Dilute: dilution must observe the recommended instructions, so that the product can offer excellent performance such as coverage, spreading rate, leveling and application.

Apply: always pay attention to loose or badly adhered parts of the substrate, in these cases, the surface preparation recommendations must be observed. In the case of cuts, always make the cut first with a brush and then apply with a roller. Application with a roller must be carried out following the procedure: apply in an M shape, turning the application in W direction.

The product is supplied in two packages. Component A and Component B. Homogenize the content of each component by means of mechanical or pneumatic agitation (A and B separately). Ensure that no sediment is trapped at the bottom of each package.

Mixture: Add component B to component A, in the proportions (volume) indicated, while stirring, until complete homogenization, respecting the mixture ratio.

Mixture Ratio: 3 parts Component A to 1 part Component B by volume.

Diluent: Anjo Thinner 4000

Dilution: Only add the diluent after completing the mixture of components A + B. Do not dilute with solvents that are not allowed by local legislation and do not exceed the indicated dilution percentage. Excessive dilution of the paint may affect film formation, appearance and make it difficult to obtain the specified thickness.

Mixture shelf life: 4 hours at 25°C

Induction time: Wait 30 minutes before application.

SAFETY RECOMMENDATION

Before handling this product, it is essential to carefully read all the information contained in its material safety data sheet (MSDS), available on our website or request it directly from our customer service hotline (0800487777).

Surface preparation, handling and use of paint during painting and drying, since these are flammable products, must be carried out in ventilated spaces, away from flames, sparks or excessive heat, using the personal protective equipment (PPE) appropriate for the step to be performed. Contact with the skin can cause irritation.

If ingested, do not induce vomiting. In case of contact with eyes, rinse thoroughly with water. In either case, seek medical attention immediately. Do not smoke in the work area. Make sure that the electrical installations are perfect and do not produce sparks.

Do not use thinner to clean the skin, hands or other parts of the body. To clean hands use alcohol, then wash with water and appropriate cleaning pastes. In case of fire, use CO₂

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or chemical powder extinguishers. It is not recommended to use water to extinguish the fire produced by burning paint. The storage of paints and thinners must be done in ventilated places and protected from weathering. The temperature can range from 10 to 40°C. If symptoms of intoxication occur due to the inhaling of chemical vapors, the intoxicated person must be immediately removed from the workplace to ventilated areas.

In case of fainting, call a doctor immediately. Product intended for use and handling by professionals connected to the painting industry. The application and use of this product must be carried out in accordance with all National Health, Safety and Environmental standards and regulations. If it is necessary to remove the already applied and hardened paint from the substrate, the operator and individuals in the same environment must use the appropriate personal protective equipment (PPE) as indicated in the material safety data sheet (MSDS). Store the product in sheltered, ventilated environments with a maximum temperature of 40°C. In situations where there is a need to weld metal parts painted with this product, dust and gases (smoke) will be released, which will require the use of appropriate personal protective equipment (masks with activated carbon filters and even air supply equipment) according to each environment. Applications in confined areas require adequate ventilation and specific methods and procedures. For these situations, contact your company's safety area.

COMMENTS

In order to provide and ensure the quality of the products, it is essential to use our complete Anjo painting system (bases, putties, thinners and finishes) observing the instructions contained on the packaging or in the technical report.

Do not store the diluted product. Do not use different batches to continue painting, there may be a change in tone, as well as in the finish.

The spreading rate of this product will vary according to the type of surface and the painting system to be used, the thickness applied, method and application technique, the type and roughness of the substrate and environmental conditions, etc.

Application to external surfaces may, over time, cause fading, calcination, loss of glossiness or yellowing of the film.

Usually an excellent result may be achieved with 2 or 3 coats, but, depending on the type of color or condition of the substrate, more coats may be needed.

The values found for the specific weight and drying tests (with the specified thickness) were obtained in the laboratory at a temperature of 25°C. With temperatures other than those mentioned, the values established above tend to be different from those specified.

The instructions contained in these specifications are based on our experience and technical knowledge; however, some factors are beyond our control as a manufacturer, such as: surface preparation, application, working conditions, etc.

The use of solvents other than those specified without prior approval from Anjo may affect product performance and void product warranty.

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We take no responsibility for material and personal damage caused by the misuse of the information contained in these specifications and of the products mentioned.

These specifications are subject to change without prior notice.

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