

Epoxy Sealer

Two-component colorless epoxy sealer for concrete, flooring and tiles, with high penetration to the substrate. This product provides an excellent adhesion bridge between the substrate and the paint system, as well as reducing the consumption of finishing paint. It has excellent moisture resistance properties, high hardness and easy application.

This product complies with ABNT NBR 11702 type 4.1.1.8

USE RECOMMENDATIONS

Concrete, floor and tile surfaces, used to seal and provide adhesion before applying the final coating, such as: epoxy putties, repair mortars, low and high thickness finishes and self-levelling.

BASIC PROPERTIES

Colors	Colorless
Finish	Glossy (depends on substrate type)
Solids per Mass	40% ± 2
Solids per Volume	39% ± 2
VOC	539 g/L
Specific Weight at 25°C	0.98 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: 3.6L 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 one part of component A to one part of component B, without diluting.
Example: 3.6L of Component A + 4 packs of 900 mL of Component B.

Add component A to component B. Wait 30 minutes for reaction induction and after starting the application.

Recommended number of coats

Apply 1 to 2 coats respecting the interval of 16 to 24 hours between coats.

Thickness per coat:

Wet film thickness: 75 to 100 μm

Dry film thickness: 25 to 30 μm

Theoretical spreading rate:

30 to 36 $\text{m}^2/\text{catalyzed coat}$

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

Dilution:

Ready-to-use product. Check the environmental conditions and method of application beforehand.

DRYING

Temperature

25°C

To Touch

2 hours

Handling

5 hours

Repainting

16 – 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 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
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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.

SURFACE PREPARATION - ABNT NBR 13.245 Standard

The surface must be dry, firm and dust free, free of contaminants such as: oils, salts, grease, fat, dust, etc.

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
Wood	Sand the surface, eliminating splinters and/or loose parts. Eliminate the dust. Apply the Acrylic Sealer and wait for drying for 24 hours, 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.
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>

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Masonry Walls	Await drying and curing for 30 days. If you want to apply Putty, it is mandatory to apply Acrylic Putty, a coat of sealer and a coat of Classical PDA Epoxy Primer, wait for a drying time of 24 hours and apply the finishing 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 16 to 24 hours and apply the finish paint.
Fat or grease stains	Wash with water and detergent, rinse and wait for drying.

APPLICATION METHOD

Airless pistol:

Use Airless	60:1
Fluid pressure	1500 - 2000 psi
Hose	¼" in diameter
Internal spout	0.011" - 0.13"
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

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pot-life table, the paint will present variation in its fluidity and will harden, which will hinder cleaning.

- 5- Thoroughly wash all equipment used.

APPLICATION INSTRUCTIONS

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.

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.

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.

Seal: The use of sealer 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.

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

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

Induction time: Wait 30 minutes before application when room temperature is low.

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 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.

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NOTES

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. 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.

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.

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.

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