

TECHNICAL BULLETIN
EPOXY PAINT FOR SWIMMING POOLS AND WATER TANKS

AQUADURAL
100% SOLIDS EPOXY PAINT



DESCRIPTION

AQUADURAL, is a 2 components epoxy coating. It is 100% solvent free. Enamel type ecologic paint, which meets the LEED requirements (US Green Building Council). It is formulated with epoxy resins and inorganic pigments. Excellent quality. Chemically resistant, flexible, with excellent hiding power, good adhesion and glossy finish.

AQUADURAL, being an ecologic product, does not contain any ingredient that is carcinogenic, hazardous to the environment, or a threat to the ozone layer. It DOES NOT contain 1,2 dichlorobenzene, Alkyl phenol ethoxylates, formaldehyde donors, lead, mercury, cadmium, hexavalent chromium, antimony, tin triphenyl, or tributyl tin.

USES

It is a hygienic coating for protection and decoration of all types of dry or underwater surfaces; either metal, concrete, mortar, asbestos, floors, wood, etc. Ideal in the lining of tanks, cisterns, pools, industrial floors, hospitals, laboratories and general services.

ADVANTAGE

- Excellent adhesion to any surface.
- Mechanical, physical, compressive, tensile and chemical resistance.
- Monolithic, bright finish ideal for interior or exterior uses.
- Its film is designed for continuous immersion in fresh or salt water.
- Its two components are non - toxic when totally hardened.
- Easy application: It can be used indoors because it contains no solvents.
- No discolor or degradation.

PRESENTATION

19 liter or gallon packaging

AQUADURAL	CATALYST CC	TOTAL
15.20 lt. +	3.80 lt. =	19 lt.
3.040 lt. +	0.760 lt. =	4 lt.

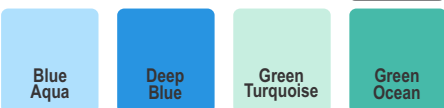
PERFORMANCE

A 0.5 mm thick yields 1 to 2 m² per liter using two hands. Depending on the surface where it is applied.

DRYING TIME

Touch 2 hours. Total hardening: 24 hours. For continuous immersion in water 72 hours. Drying time varies depending on weather and room temperature.

COLORS



PREPARATION

Mix the components thoroughly for 5 min. with a mechanical stirrer at a rate of 4 parts per 1 part AQUADURAL CC Catalyst based on volume. Avoid air bubbles. No product should be prepared and left unused, as it will be useless. The potlife of AQUADURAL is 30 minutes. Prepare as much as you can use in that time. If necessary, dilute with solvent 105 at 10% maximum.

APPLICATION

The surface must be dry and clean of impurities, grease, dust, or small particles that prevent good adhesion.

In concrete or mortar surfaces, it should be cleaned with a solution of muriatic acid diluted in 10% water to open the pores, rinsed thoroughly with water and let dry before application.

For Previously painted surfaces, the paint in poor condition must be sanded and brushed.

Apply one or two coats of PRIMER AQUADURAL premixed with Catalyst EE at a yield of 5 m² / lt., with a brush, roller or compressor.

Let dry 4 hours approximately.

Apply a hand of AQUADURAL, let dry at least 4 hours before applying the second hand. After this time has elapsed it will be necessary to sand the previous layer to improve adhesion.

Wash the tools used with thinner immediately after use.

AQUADURAL can be applied by brush or roller.

RECOMMENDATIONS

- Only prepare the material to be used immediately as the potlife of the product once catalyzed is 30 min. at 25C. (The potlife of the mixture varies with temperature and humidity)
- Mix perfectly, since any change in ratios will vary final product characteristics.
- Keep away from flames or sparks.
- Never leave uncovered buckets.
- Keep out of reach of children.

STORAGE

AQUADURAL and its catalyst will maintain their properties for 6 up to months, provided they are kept in a cool place and in its original packaging. Catalyzed product cannot be stored.

WARRANTY

PINTEX guarantees the consistent quality of all its products according to their specifications and manufacturing techniques. AQUADURAL has a 3-year warranty and a lifetime of 4 years at least, as long as it is used under normal conditions of use. The recommendations and suggestions presented here are not a guarantee.

PHYSICAL PROPERTIES	SPECIFICATION
VOLATILE ORGANIC COMPOUNDS (VOC) NOM-123-SEMARNAT-1998	Less than 50 g/L
VOLATILE AROMATIC COMPOUNDS	DOES NOT CONTAIN
VISCOSITY BROOKFIELD RVF (cps) ASTM- D 2196	6,000 - 8,000
SPECIFIC WEIGHT (g/ml) ASTM - D 1475	1.5 - 1.7
% TOTAL SOLIDS ASTM - D 1644	99
DRYING TIME (min.) ASTM - D1640	2 hours.
HARD DRYING (hr.)	24 hours.
IMMERSION DRYING (hr.)	72 hours.
FINENESS, HEGMAN ASTM - D1200	4 min.
GLOSS ASTM- D 523	50 min.
CATALYST	CC
MIX RATIO	4 - 1
POT LIFE	30 min.
ADHERENCE ASTM-D3359	More than 95%
HIDING POWER ASTM-D2805-96	0.97
FLEXIBILITY ASTM-D522-93	Does not present cracking or peeling

FUNCTIONAL PROPERTIES	SPECIFICATION
WASHING CYCLES ASTM - D 2486-06	1000 cycles No wear.
SALINE CHAMBER ASTM - B117	500 Hr No change
ACCELERATED WEATHER QUV	500 Hr No change

Data referred to in this Sheet is based solely on our experience. PINTEX is not responsible for any flaws or damages caused by existing conditions, whether on the surface or on the building itself. We recommend making tests before applying the products on any particular application. The warrantee is limited only to the exchange of the material to fix any flaw, not including labor or any other additional costs. The information contained herein may be changed without any prior notice.

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