Pool & Floor Paints
EPOXITE POOL PAINT 2K
Technical Data Sheet

Reviewed: 24.05.2024

DESCRIPTION
EPOXITE POOL PAINT 2K is a high performance 2 component solvent based epoxy pool paint with a gloss finish. It is applied to pools, fountains, cisterns and tanks (interior surface). It has excellent adhesion, high coverage, high hardness and great resistance to friction and mechanical stress. It is resistant to chemicals and permanent contact with water. Its special formulation ensures a durable finish with a long service life. It contains special UV filters for greater resistance to ultraviolet radiation.

ADVANTAGES
- Excellent adhesion and hardness
- High coverage
- Good resistance to chalking – contains UV filters
- High resistance to friction and mechanical stress
- High chemical resistance
- Ensures a durable finish
- Gloss finish – easy to clean

APPLICATIONS
- Suitable for coating swimming pools, fountains of interior and exterior areas and generally surfaces that are subject to frequent stress from friction and chemicals.
- Suitable for application on concrete, screeds, stone, metallic surfaces when treated accordingly.

INSTRUCTIONS FOR USE
Surface preparation

1. Surfaces should be dry and clean from dust and any oily residues. Dust, oil, humidity or rust seriously affect the coating's adhesion.
2. Loose substrates of concrete and screeds are not suitable for painting as the coat will peel. The cementitious substrate needs to be mechanically prepared (e.g., by sanding, shot blasting, or milling) to smooth out any irregularities, open the pores, and ensure better adhesion.
3. Strengthen substrates with the special solvent free primer **EPOXITE DRYMAX WET 2K** or **EPOXITE DUR 2K** in one or two layers depending on substrate's porosity. Cementitious surfaces must be made of concrete grade C20/25 and above and cement mortars must have a cement content of at least 350kg/m^2 with at least 1,5Mpa tensile strength.
4. New surfaces of concrete or cement mortar should be painted one month after construction. Substrates moisture should not exceed 4%.
5. If surface gets wet, allow to dry for at least 2 – 5 days prior to the paint application (<4% Moisture).
6. Repairs and surface smoothing can be done using appropriate products, such as the epoxy putty **EPOXITE CONSTRUCT**, or a mixture of **EPOXITE DRYMAX WET** with **M-32** quartz sand (suggested mixing ratio 1:1-2), after proper priming.

Priming

Prime cementitious surfaces with **EPOXITE DUR 2K** solvent based primer. Surfaces with high porosity or with humidity ingress should be primed with 100% solids 2 component epoxy primer **EPOXITE DRY MAX WET.** On stable substrates, the paint can also be used as a primer diluted 10% with **DIL X 100** solvent. A second coat of primer may be required to fully seal the substrates porosity.

Metal surfaces are primed with the special anti-osmosis epoxy primer **ALL in ONE EPOXY PRIMER P-76.**

New pools must first be waterproofed with **ISOMIX WATERPROOF ELASTIC 2K,** two-component cementitious waterproofing elastic sealant and then **EPOXITE DRYMAX WET 2K** should be applied as a primer in one or two coats.

Previous paints in good condition should be sanded first. Remove dust using a professional vacuum cleaner and proceed as for cementitious surfaces.

Previous paints in poor condition must be completely removed by mechanical means. Remove dust using a professional vacuum cleaner and proceed as for cementitious surfaces.

The application of the paint follows the after the primer has dried: 12 to 24 hours. If 24 hours have passed, the primer must be lightly sanded for better adhesion of the paint.

Application

1. Components A (resin) and B (hardener) are already packed in separate containers with a preset mixing ratio. Any modification of the mixing ratio will result in improper polymerization of the mixture.
2. Mix the 2 components after carefully mixing each component separately.
3. Stirring is done carefully for 3-5 minutes taking care to ensure thorough mixing of the two components on the walls and the bottom of the pail.
4. Imperfect mixing will result in uneven curing of the coating with parts that will not cure at all.
5. After mixing of the two components allow 5 minutes and then apply the 1st coat diluted 0% to 5% with **DIL X 100** solvent.
6. 24 hours later apply the second coat diluted 0% - 5% with **DIL X 100** solvent.
7. Application is done with a brush, roller, or spray gun in two coats. A third coat is recommended for commercial use.
8. The paint obtains its final properties 7 days (25^{o}C) after the application of the finishing coat.
9. Mix as much material can be applied over the pot life.

REMARKS
- Application conditions: Substrate's moisture: <4%, Surface's and Ambient temperature: 12^{o}C - 35^{o}C, Relative Air Humidity: <70%.
- Freshly painted surface must be protected from excessive humidity and rain for 36 – 48 hours.
- **EPOXITE POOL PAINT 2K** contains solvents and during application good ventilation of the space should be ensured.
- It is advisable to use protective clothing, gloves, hat and mask with filter suitable for solvents.
- If recoating be carried out after 48 hours, the surface must be sanded with coarse sandpaper and dust must be removed.
- Curing as well as pot – life are affected by ambient temperature and humidity. Low temperatures and high humidity tend to increase pot – life while high temperatures and low humidity shorten the pot life.
- Before application, read carefully all instructions and information relevant to its safe and best use (Safety Data Sheet).
- Fill pools with water 7 days after application of the last coat (25^{o}C).
- For outdoor swimming pools, it is recommended to apply **PREMIUM PU FLOOR VARNISH 2K** for effective protection against UV radiation and chalking.

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- If the pool's water is cleaned using the electrolysis method, **EPOXITE POOL PAINT 2K** must be coated with the two-component aliphatic polyurethane varnish **PREMIUM PU FLOOR VARNISH 2K**.
- After fully cured, **EPOXITE POOL PAINT 2K** is totally safe for health.
- The substrate must be at least 3°C above dew point to reduce the risk of condensation or blooming on the paint's finish.

CLEANING

Clean tools with **DIL X 100** solvent.

COVERAGE

300 – 450 gr/m^2 for 2 - 3 layers on properly treated surfaces

TECHNICAL CHARACTERISTICS

Base: Epoxy
Color: White, Pool blue, Sand Beige and other colors to order
Mixing Ratio (A+B): as displayed on lid
Thinning: 0 – 5% with **DIL X 100** solvent
Specific Gravity (A+B): 1,20 ± 0,05 gr/cm^3 25^{0}C
Viscosity (A+B): 1500-3000 cps 25^{0}C
Touch Dry at 25^{o}C: 2h
Traffic at 25^{o}C: 24 h
Recoating (2nd coat): After 24 hours at 25^{0}C
Maximum strength: 7 days at 25^{0}C
Pot Life: 1 hour at 25^{0}C, after thorough mixing
VOC (Volatile Organic Compounds): EU limit value for this product (cat. A/j): 500 gr/Lt (2010). This product (A+B mix) contains max 498 gr/Lt VOC

STORAGE

Products should be stored in a dry and cool place at a temperature of 5^{0}C -30^{0}C, away from sources of ignition. Protect from humidity and direct sunlight.

SHELF LIFE

At least 24 months from the production date in the above-mentioned storage conditions. The product should remain in the original unopened packaging bearing the manufacturer's batch number.

PACKAGING

SETS (A + B Component) of 1kg, 3 kg, 10kg & 20kg

HEALTH AND SAFETY INFORMATION

Component A

UFI: 1PW0-90UK-J005-SP01

Component B

UFI: YSW0-T0HY-U00P-E0K3

PACKAGING	CODE	BARCODE
WHITE		
SET 1kg	2036	5204094020363
SET 3kg	2037	5204094020370
SET 10kg	2038	5204094020387
SET 20kg	2039	5204094020394
POOL BLUE		
SET 1kg	2040	5204094020400
SET 3kg	2041	5204094020417
SET 10kg	1729	5204094017295
SET 20kg	1726	5204094017264
SAND BEIGE		
SET 1kg	2042	5204094020424
SET 3kg	2043	5204094020431
SET 10kg	2044	5204094020448
SET 20kg	2045	5204094020455

The directives contained in this technical data sheet are the result of our long experience from real life applications and the research testing of our research and development laboratory and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications, which are beyond our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments. We are liable only for our products for being free from faults and of consistent quality. Users are responsible for complying with local legislation and for obtaining any required approvals or authorizations. The present edition of this technical datasheet automatically cancels any previous ones concerning the same product.

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