



Pool & Floor Paints

PREMIUM POLYURETHANE POOL PAINT 2K

Technical Data Sheet

Reviewed: 07.06.2024

DESCRIPTION

PREMIUM POLYURETHANE POOL PAINT 2K is a high performance 2 component acrylic - urethane paint for swimming pools. It has excellent resistance to UV rays, great adhesion properties, elasticity, hardness, and strong resistance to abrasion. It is very resistant to chemicals, water, seawater, and suntan oils. Its special aliphatic polyurethane technology guarantees a durable, long-lasting finish.

APPLICATIONS

- Suitable for painting interior and exterior swimming pools.
- Suitable for application on concrete, screeds, stone, metallic and wooden surfaces.

ADVANTAGES

- Gloss finish - easy clean
- Excellent coverage
- Excellent adhesion properties
- Hard and elastic
- Excellent wear and mechanical resistance
- Excellent UV resistance – does not yellow
- Excellent resistance to chalking compared to 2k epoxy paints
- Excellent weather resistance
- Excellent durability to water and seawater
- Excellent resistance to chemicals
- Guarantees a durable, long-lasting finish.
- Excellent colour stability

INSTRUCTIONS FOR USE

Surface preparation

1. Surfaces must 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.
3. New surfaces of concrete or cement mortar must be painted one month after construction.
4. Surfaces already painted must be completely cleaned with chemical or mechanical means and sanded to a smooth finish.
5. The wet surface must be allowed to dry for at least 2 - 5 days prior to the paint application.
6. Old flaking, chalking paints or discolorations must be completely removed with mechanical means.

Priming

- Prime surfaces with **EPOXITE DUR** solvent based epoxy primer.
- Surfaces with rising humidity should be primed with 100% solids solvent free, epoxy primer **EPOXITE DRY MAX WET**.

Application

1. Allow 12 - 24 hours after priming.
2. Components A (resin) and B (hardener) are already packed in separate containers with a preset mixing ratio (100A:25B). Any modification of the mixing ratio will result in improper polymerization of the mixture.
3. Mix the 2 components after carefully mixing each component separately.

4. 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.
5. Imperfect mixing will result in uneven curing of the coating with parts that will not cure at all.
6. After mixing of the two components allow 5 - 10 minutes and then apply the coating as is or diluted up to 10% with **DIL X 100** solvent
7. It is suggested to apply 2 or 3 layers and let each layer dry for 12 to 24 hours before the next one (for temperatures 30°C and 12°C respectively).
8. Application is done with a brush, roller, or spray gun.
9. When painting new pools it is recommended to apply 3 coats. When repainting old pools, 2 coats are recommended.
10. The paint obtains its final properties 7 - 14 days after the application of the finishing coat depending on ambient temperature and humidity.

REMARKS

- Application conditions: Substrate's moisture: <4%, Surface's and Ambient temperature: 12°C - 35°C, Relative Air Humidity: <70%.
- Do not paint during direct sunlight exposure. There is danger of affecting the durability of the final coating.
- **PREMIUM POLYURETHANE POOL PAINT 2K** contains solvents and during application good ventilation of the space should be ensured.
- It is advisable to use protective clothing, gloves, and mask with filter suitable for solvents.
- The coated surface should be protected from humidity for 36 - 48 hours.
- Should recoating be carried out after 48 hours, the surface must be sanded with coarse sandpaper and dust must be removed.
- Curing and 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 using **PREMIUM POLYURETHANE POOL PAINT 2K** carefully read all instructions and information relevant to its safe and best use.
- The substrate must be at least 3°C above dew point to reduce the risk of condensation or blooming on the paint's finish.
- After fully cured, **PREMIUM POLYURETHANE POOL PAINT 2K** is totally safe for health.

CLEANING

Clean tools with **DIL X 100**, nitro, or polyurethane solvent.

COVERAGE

300 – 350 gr/m² for 2 layers on properly treated surfaces

Evochem®

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TECHNICAL CHARACTERISTICS

Base A Part: Acrylic polyurethane

Base B Part: Aliphatic Isocyanates

Color: White, Grey, Sand Beige, Pool Blue

Specific Gravity (A+B): 1,19 ± 0,2gr/cm³ 25°C

Viscosity (A+B): 1500-3000 cps 25°C

Mixing Ratio (A+B): 100A : 25B by weight

Thinning: 0 – 10% with DIL X 100 solvent

Touch Dry at 20°C: after 2h

Walkable at 20°C: after 24 h

Recoating (2nd): After 12 – 24 hours (for temperatures 30°C and 12°C respectively)

Maximum strength: After 7 - 14 days

Pot Life: 2 hours at 20°C, after thorough mixing

VOC (Volatile Organic Compounds) EU limit value for this product (cat. A/j): 500 gr/Lt. 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°C -30°C, away from sources of ignition. Protect from humidity and direct sunlight.

SHELF LIFE

At least 18 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

White, Grey, Sand Beige & Pool Blue sets of 1Kg, 3kg & 12,5kg
Other colors upon request for minimum order 100Kg.



PACKAGING	CODE	BARCODE
WHITE		
SET 1Kg	1941	5204094019411
SET 3Kg	01853	5204094018537
SET 12.5Kg	01861	5204094018544
GREY		
SET 1Kg	1942	5204094019428
SET 3Kg	1943	5204094019435
SET 12.5Kg	1944	5204094019442
SAND BEIGE		
SET 1Kg		
SET 3Kg	1727	5204094017271
SET 12,5Kg	1728	5204094017288
POOL BLUE		
ΣET 1Kg	1940	5204094019404
ΣET 3Kg	01867	5204094018247
ΣET 12,5Kg	01885	5204094018261

HEALTH AND SAFETY INFORMATION

Consult Material Safety Data Sheet prior to application.

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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