

SurfaDur™ P Pool

High solids, self-levelling, Polyaspartic Waterproofing Pool Coating

Product Description

SurfaDur P Pool is a high performance, two component, polyaspartic flexible pool coating, with self-levelling properties and excellent resistance to UV radiation and to mechanical stresses and scratches. **SurfaDur P Pool** presents high resistance to chemicals, sunscreen oils and sea water. It applies easily presenting extended working time while it cures fast for urgent delivery projects. After curing, the resulting monolithic membrane becomes seamless water and vapor/gas barrier with long life expectancy.

The distinctive characteristics of **SurfaDur P Pool**, summarize as follows:

- Self-levelling properties and easy application
- Excellent resistance to mold and micro-organism growth
- Zero water absorption
- Fast curing (<24h)
- Colour and gloss stability, no chalking
- High chemical resistance
- High solids and low odour

Recommended Use

SurfaDur P Pool is highly recommended for the protection of concrete pools and concrete tanks or pools already coated with epoxy or other painting systems, as long as they are well adhered. It is also ideal for decks, water slide parks, fountains, ponds, water tanks or any other professional application where colour stability and long-term surface protection is required.

Technical Specifications

Type:	Two-component coating formulation based on polyaspartic ester base	Components:	Base A: Polyaspartic Ester Hardener B: Aliphatic Isocyanates
Colour:	White / Light Blue / Blue / Grey / White Sand	Thinner/Cleaner:	None Required NPTA NanoPhos Thinner A
Mixing Ratio (by weight):	2.2 Base A : 1 Hardener B	Solids (% volumetric):	>95%
Combo Density:	1.30±0,05 kg·L ⁻¹	Volatile organic compounds (VOC) Content:	< 80 g/L
Working Time (Max. Work Pot Life):	45 min @ 25°C *	Minimum Recoating Time:	8h @ 25°C
Dry Through Time:	12h @ 25°C	Elongation at break:	>240% @ 25°C
Full Curing Time:	48h @ 25°C	Chemical resistance:	Good: Acid and alkaline solutions (5%), common detergents and oils
Hardness (Shore A):	>70	Temperature Range:	-20 °C to 60 °C
Weathering Resistance:	8.000h (UV-B Lamps)		

(*) Increases in temperature and/or humidity will shorten working time, drying time and recoating time.

NanoPhos S.A.

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Surface Preparation

All surfaces should be clean, dry, and free from dust, oil, grease, loose materials, and contamination. Substrate temperature should not exceed 30°C, and substrate humidity content should not exceed 15%, else curing time values may decrease. Remove any existing peeled paints, chalking of epoxy paints, cement residues, moss and fungi by grinding the surface. Clean the surface with a stiff broom or a high-performance vacuum cleaner. Fill all the voids and repair all the surface imperfections and cracks using the suitable repairing products of NanoPhos. Use SurfaPaint Epoxy WB, as the surface primer, for best adhesion. SurfaPaint Epoxy WB can be applied by roller, brush, or spray in one coat at a spreading rate of 10 sqm/L. Allow 12-24h of curing after the application of SurfaPaint Epoxy WB before applying SurfaDur P Pool.

Application

Mixing: Always mix Hardener B into Base A. Use a suitable bucket, paddle mixer, and/or drill for thorough mixing. Continue mixing for one minute after Hardener B has been added to Base A. Ensure that the paddle mixer reaches everywhere in the mixing container. If needed, transfer the mixed materials into a new bucket for easier roller application. Application tools: brush, roller, spray.

Roller Application: A short nap, microfiber fabric, or thinner resistant rollers provide extremely fine, consistent finishes when rolling in direction with low splatter application. Do not use foam rollers. Start by brush painting perimeter edges. Apply the mixed product in two to three coats but avoid over rolling. Working time for SurfaDur P Pool is 45 minutes at 25°C. Spreading Rate: 3-5 m²/kg, per coat. Apply the next coat at least after 8 hours. Resulting Minimum Dry Film Thickness: 500µm.

Airless Application:

Airless Machine Specifications	
Material Flow	11 lt/min
Maximum Pressure	270-300 bar
Air Intake Pressure	5-6 bar
Pump Filter	30 mesh
Hose	3/8"
Nozzle	0,027" – 0,031"

It is recommended cleaning the hose every hour.

Avoid applying the product in high humidity conditions (> 75%) or there is a chance of rain for the next 12 hours.

Fill the swimming pool with water 4 days after the application of the final coat of SurfaDur P Pool.

Avoid the superchlorination (shocking) of the pool and strictly follow the instructions of the chemicals used for proper pool maintenance.

Storage

Store only in the original container. Store the containers sealed in a cool and well-ventilated place. Keep away from direct sunlight. Keep far away from sources of heat, naked flames and sparks, and other sources of ignition. Keep containers away from any incompatible materials.

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Health and Safety

Read the label before use. Safety Data Sheets are available through NanoPhos' website www.NanoPhos.com or upon request by contacting NanoPhos through email: info@NanoPhos.com or by telephone: (+30) 2292069312.

Available Packaging

- 5kg Metal canisters combo (3.44kg metal canister for Base A and 1.56kg metal canister for Hardener B)

The technical data sheets and the recommendations for using NanoPhos products are based on our scientific knowledge, laboratory studies, and long-term experience. Therefore, the information provided must be considered indicative and subject to constant review in relation to the circumstances and each practical application. Furthermore, the product's suitability should be examined in each case for each specific use. The end-user bears complete & exclusive responsibility for any side effects that may arise from the incorrect use of the product.

SurfaDur™ is a registered trademark of NanoPhos S.A.

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