

Smerald Piscine

Protective enamel for specific concrete for plastered pools



Protective decorative enamel, with satin effect, monocomponent, high technical content, very resistant to the action of UV rays; based on polyurethane polymer mixtures and acrylic modified with Teflon, in aqueous emulsion. Perfect for finishing concrete surfaces intended for permanent contact with water (swimming pools, fountains, ornamental basins, channels, artificial ponds, tanks, etc.). It is provided in the standard colours Light Blue and White, on request it can be supplied in other colours.

CUSTOMS CODE: 3209 1000

COMPONENTS: Single-component

APPEARANCE: Thick liquid

AVAILABLE COLORS: Request available colors

PACKAGING AND DIMENSIONS: Pail 14 l

FEATURES AND BENEFITS

Smerald Piscine is a special mixture of polyurethane-acrylate Teflon coated resins, in aqueous emulsion, particularly resistant to light, water, chlorine and the usual sanitising agents. Modified with unalterable high coverage pigments and special additives, effectively protected against UV radiation, assisted by peculiar radical catchers, it is characterised by high adhesion to the support, high elastic performance, excellent coverage capacity with only two coats of application, and absolute absence of toxic solvents of any kind.

FIELDS OF APPLICATION

Specially formulated for painting pools, ornamental basins, channels, fountains, ponds, tanks, and any cement support strongly and permanently in contact with water.

ALLOWED SUPPORTS

Plasters - Concrete - Cement-based or lime-based mortars - Prefabricated concrete - Fiber-cement - Rock walls

PREPARATION OF SUPPORTS

The surfaces of application should be clean, free of any soiling, crumbling and non-adhering parts, or non-absorbent, dust, pre-existing paints, etc.



MODE OF USE

Smerald Piscine can be applied by brush, roller or airless (membrane type) with a 1.5 - 2 mm diameter nozzle. It is preferable to wait at least 30 days for the base to mature. Make sure the surface to be treated is dry, mature and free from damp spots. Before proceeding with the application of the paint, it is advisable to wash with a hydro-cleaner to remove dust or loosely adherent residues. As a first coat, the product can be diluted with water at 40/50% in order to uniform and consolidate the base. Leave to dry for 12 hours and then proceed with the application of 2 coats of paint spaced out for at least 12 hours, diluting with water as little as possible. Always apply two coats, spaced at least 12 hours apart, for a consumption of no less than 200 g/m² per coat (about 450 g/m² of total consumption). On large surfaces it is recommended to apply product from the same production batch. Always proceed wet on wet in order to avoid signs of recovery.

MAINTENANCE: Maintenance interventions are foreseen, normally every two years, except for special needs. Proceed to detach the old damaged paint, clean the substrate with suitable detergents and remove grease or algae. The damaged areas must be carefully repaired before proceeding with the painting as indicated above.

PRECAUTIONS FOR USE: It is recommended to fill the pool at least 15 days after applying the product and to leave the pool full even during the winter or non-use months. The paint is not suitable for use on rubber surfaces, fiberglass swimming pools, concrete with water repellent additives, for particular surfaces it is recommended to carry out a test application on a small area before proceeding with the finish on the entire pool.


APPLICATION METHODS

Brush - Paint roller

TOOL CLEANING


Water

KEY FEATURES


 Density: 1.40 (± 0.05) kg/dm³

 Max. recommended thickness: 240 µm

 Nonflammable


 Solvent-free


 To be applied in two coats


 UV-resistant

 Highlighted product

 Min. recommended thickness: 200 µm

 Shelf-life: 12 months

 Temperature of use: +5 / +35 °C

 Use wearing protective gloves

TECHNICAL SPECIFICATIONS

10' a 105°

Dry residue **53 ±0.05 %**

a 20°C

Complete hardening at 20°C **3-5 day**

a 20°C

Touch hardening at 20°C **4-5 h**

Maximum humidity of the support **3 %**

Time before second coat at 20°C **10 / 12 h**

CONSUMPTION

Apply from 0.30 to 0.50 liters of Smerald Piscine per square metre of surface to be painted.



STORAGE AND CONSERVATION

Protect from freezing. Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Inadequate storage of the product may result in a loss of rheological performance.

PHOTO GALLERY



SPECIFICATION ITEM

The protective decorative finish of swimming pools and basins, and concrete surfaces intended for permanent contact with water must be carried out with the special blend of polyurethane and acrylic resins modified with Teflon, Smerald Piscine, Azichem S. r.l. , applied with two coats with the procedures indicated by the supplier.

ADDITIONAL CONTENT



Normative references

A/d paint for interior/exterior finishes and infills for wood, metal or plastic. BA. Limit Value EU by COV (Directive 2004/42/EC) for this product (cat. A/d): 150 g/l (2007); 130 g/l (2010). This product contains up to 80 g/l COV.



WARNINGS AND PRECAUTIONS

As for all products made from resins in aqueous emulsion, to avoid defects in filming, the application temperature must be between +5°C and +35°C with relative humidity not exceeding 60%-70%. The application should be avoided in case of direct exposure to sunlight and significant ventilation. The specified consumption must be respected (use 1 kg of product to pigment maximum 2.5 m² surface!). If the applied amount is less than the recommended minimum, the polymerization process (which makes it elastic adhesive and painting) would be compromised.

The general information, along with any instructions and recommendations for use of this product, including in this data sheet and eventually provided verbally or in writing, correspond to the present state of our scientific and practical knowledge.

Any technical and performance data reported is the result of laboratory tests conducted in a controlled environment and thus may be subject to modification in relation to the actual conditions of implementation.

Azichem Srl does not assume any liability arising from inadequate characteristics related to improper use of the product or connected to defects arising from factors or elements unrelated to the quality of the product, including improper storage.

Those wishing to utilise the product are required to determine prior to use whether or not the same is suitable for the intended use, assuming all consequent responsibility.

The technical and characteristic details contained in this data sheet shall be updated periodically. For consultation in real time, please visit the website: www.azichem.com. The date of revision is indicated in the space to the side. The current edition cancels out and replaces any previous version.

Please note that the user is required to read the latest Safety Data Sheet for this product, containing chemical-physical and toxicological data, risk phrases and other information regarding the safe transport, use and disposal of the product and its packaging. For consultation, please visit: www.azichem.com.

It is forbidden to dispose of the product and/or packaging in the environment.

