



PISCINAS ALTAS PRESTACIONES 2C

SALES FORMAT

COLOUR KIT: 15 kg, 5 kg

DESCRIPTION

A two-component aliphatic polyurethane enamel with an acrylic base, offering a gloss finish, maximum hardness and high levels of both physical and chemical resistance.

SCOPE OF APPLICATION

- Outdoors/Indoor
- Concrete, mortar and cement
- Glass fibre and polyester
- Gel coat / Polyester
- Freshwater and saltwater swimming pools

PROPERTIES

- Excellent hardness
- Abrasion-resistant
- Chemical resistance
- Non-slip coating with aggregate
- Excellent adhesion
- Pot life: 6 hours at 20°C
- Waterproof

TECHNICAL DATA

Chemical composition	Hydroxylated acrylic with isocyanate	
Colour	White, Mediterranean blue and other colours	
Finish	Glossy	
Gloss (60°):	90 ± 5	UNE-EN ISO 2813
Density (A+B)	1.34 ± 0.05 g/ml	UNE-EN ISO 2811-1
Viscosity (A+B)	70 ± 10 KU	UNE 48076
Volume solids (A+B)	52 ± 2	UNE-EN ISO 23811
Slip resistance	Rd > 45 / Class 3 (+25% aggregate)	UNE 41901
VOC	< 500 g/L. Maximum value permitted by the EU: 500 g/L	2004/42/II Category (j)
Theoretical coverage	10 ± 1 m²/kg (40 dry microns)	
Drying times	Touch-dry: 45 mins Fully dry: 6–8 hours Fully cured: 7 days	
Recoating and filling times	Between 16 hours and 2 days Cures in 7 days at 20°C	
Dilution	0–15 per cent depending on the application method	
Diluents	POLYURETHANE SOLVENT 310 SPECIAL PU SOLVENT 315	
Cleaning	UNIVERSAL SOLVENT 302	

The technical data specified may vary if the material is tinted.

PREPARATION OF THE SUBSTRATE

GENERAL INFORMATION

Outdoors, do not apply if rain is forecast, in full midday sun, or on damp days. Remove all traces of grease, lime, salts and creams before use; acid washing may be necessary. To achieve non-slip surfaces, mix in a ratio of 4:1 with non-slip aggregate.

CONCRETE, MORTAR AND CEMENT SURFACES

For new swimming pools, it is advisable to keep them filled with water for one to two months to allow for proper curing and the natural removal of alkaline salts. Once this period has elapsed, empty the pool and treat the surface; wash with hydrochloric acid (sulfuric acid) diluted 1:4 in water, then rinse thoroughly with plenty of fresh water. Leave to dry for at least three days. Apply one or two coats of PROTEK EPOXI PRIMER 1511 in accordance with the instructions on its technical data sheet, and then apply two coats of PISCINAS ALTAS PRESTACIONES 2C, diluted with a suitable solvent according to the application method.

PREPARATION OF THE SUBSTRATE

GLASS FIBRE AND POLYESTER

The substrate must be clean and dry, free from any traces of chemical products. The surface must be prepared by sanding and any resulting dust removed. Apply two coats of PISCINAS ALTAS PRESTACIONES 2C, diluting with a suitable solvent according to the application method.

GEL COAT / POLYESTER

The substrate must be clean and dry, free from any traces of chemical products. The surface must be prepared by sanding and the resulting dust removed. Apply two coats of PISCINAS ALTAS PRESTACIONES 2C, diluting with a suitable solvent according to the application method.

GRESITE AND MOSAICS

The substrate must be clean and dry, free from any chemical residues. Sand until the glaze is removed to obtain a porous substrate with some absorbency. Repair any missing tiles and joints using suitable mortars. Apply one or two coats of PROTEK EPOXI PRIMER 1521 GLASS in accordance with the instructions in its technical data sheet, followed by two coats of PISCINAS ALTAS PRESTACIONES 2C, diluted with a suitable solvent depending on the application method.

PAINTED SURFACES

Remove any coats of single-component paint or paint of unknown composition and proceed as indicated for the relevant substrate. Clean and remove any traces of chemicals. On old two-component paints, light sanding of well-adhered areas is recommended; in the event of poor adhesion, the paint must be completely removed and the procedure for the original substrate followed as indicated. Apply two coats of PISCINAS ALTAS PRESTACIONES 2C, diluting with a suitable solvent according to the application method.

APPLICATION CONDITIONS

Substrate temperature	Min. +10°C / Max. +35°C
Ambient temperature	10°C / 35°C
Dew Point	The substrate temperature must be at least 3°C above the dew point to reduce the risk of flaking or efflorescence.

APPLICATION SYSTEM

System		Product		Yield		Dilution		Coats
PRIMING cement)	(concrete and	PROTEK EPOXY PRIMER 1511		5.5–7.5 m²/L / 3.5–5.5 m²/kg (70 microns dry film thickness)		5–15% DEPENDING ON THE APPLICATION METHOD		1 or 2
PRIMER mosaics)	(terrazzo and	PROTEK EPOXY PRIMER 1521 GLASS		7–9 m²/L / 4–6 m²/kg (70 dry microns)		5–15% DEPENDING ON THE APPLICATION METHOD		1 or 2
FINISH		HIGH-PERFORMANCE POOLS	2C SWIMMING	4–6 m²/kg (80 dry microns)		5–15% DEPENDING ON THE APPLICATION METHOD		2

APPLICATION RECOMMENDATIONS

Product preparation:	Stir until the product and its hardener are thoroughly mixed. Mix in a ratio of 4:1 by weight or 2.9:1 by volume (base:catalyst), stir and leave to stand for 20 minutes before application. Use the mixture within 6 hours at 20°C. Stir periodically.
Application method:	Can be applied by brush, roller, airbrush or airless spray gun. For application by brush or roller, dilute by 0–10% with POLYURETHANE SOLVENT 310 or POLYURETHANE SOLVENT 315. For application by airbrush, dilute to a viscosity of 28–32 seconds in a Ford N-4 Cup, using 10–15% of the same solvent. For application using an airless spray gun, dilute to a viscosity of 60 seconds in a Ford N-4 Cup, using 0–5% of the same solvent. Before filling the swimming pool, the product's curing time of 7 days at 20°C must be observed. Furthermore, conditions of high humidity (>75%) must be avoided, at least for the first 48 hours. The curing time before filling the swimming pool will be extended to 14 days at temperatures of 10°C. The product must never be applied at lower temperatures.

ADDITIONAL INFORMATION

Health and safety	For any information regarding safety issues relating to the use, storage, transport and disposal of waste from this product, users should consult the labelling and the latest version of the Safety Data Sheet, which contains physical, ecological and toxicological data, as well as other relevant information on this subject. WASTE: HAZARDOUS. LER CODE: 080111
Storage	The product will remain stable in its original, unopened packaging at ambient temperatures not exceeding 30 °C or falling below 5 °C for 12 months from the date of manufacture. The product must be stored in a cool, dry place, in its original, tightly sealed, undamaged packaging, protected from frost and direct sunlight.
Tariff heading	TARIC code: 3208 90 91
Note	The technical information contained in this document is provided in good faith, based on laboratory tests and practical experience under normal conditions. However, the data may vary, particularly when the material is tinted or when using intense colours, in which case parameters such as density or solids by volume may be affected without compromising the product's performance. Users are advised to verify the suitability of the product for their specific application and to request the relevant colour safety data sheet from their distributor for reference.