



SWIMMING POOL PAINT

Technical Application Guide

Polybond Swimming Pool Paint is a high-performance modified chlorinated rubber coating, specially formulated to deliver a durable, long-lasting finish on concrete and previously painted swimming pools, paddling pools, tanks, showers and decorative ponds. It is also suitable for render, brickwork, wood and metal surfaces around the pool area.

KEY BENEFITS

- Outstanding resistance to water, chlorine, sodium hypochlorite, mould, algae and pool chemicals (in dilution)
- Unaffected by sunlight – perfect for indoor and outdoor pools
- Tough, abrasion-resistant finish that is easy to recoat and maintain
- Single-pack material – ready to use after thorough stirring

Suitable Surfaces

Concrete (new & painted) • Render & Brickwork • Paddling Pools & Tanks • Showers • Decorative Ponds • Wood & Metal (with appropriate primer)

POLYBOND LIMITED

Specialist Coatings • Custom Made Colour Powder Coatings & Wet Paints

Surface Preparation

Surfaces must be clean, dry and structurally sound before application. Poor preparation is the most common cause of coating failure.

New Concrete & Porous Surfaces

Step 1: Remove all laitance, mould release oils and surface dirt by scrubbing thoroughly with dilute Hydrochloric Acid or Polybond Concrete Cleaner. This process also neutralises surface alkalis and removes insoluble salts.

Step 2: Wash the surface thoroughly with fresh clean water to remove all residues.

Step 3: Allow the surface to dry completely before proceeding. Moisture content should be low.

Previously Painted Concrete

1. After draining the pool, remove all loose, flaking or blistering paint. Scrape back to a firm edge. Carefully inspect areas behind old paint where water may have been trapped.
2. Hack back any damaged concrete or render to sound substrate. Make good with a suitable cement-based repair mortar, then patch prime and treat as new concrete.
3. Fill cracks, voids and joints with a cement-based filler and allow to cure fully.
4. Scrub the remaining sound paintwork with a strong detergent solution or sugar soap to remove all surface contamination, including body fats and oils that collect at the waterline.
5. Abrade any glossy areas to a matt finish to provide a mechanical key.
6. Wash thoroughly with fresh water and allow to dry completely.

■ TAKE CARE – Test or Remove Old Coatings in These Situations:

1. Unknown paint systems more than 3–4 years old.
2. Old pools subjected to heavy chemical usage, particularly heated outdoor pools.
3. Multiple coats of paint with no known painting history. Shotblasting back to sound substrate may be required.
4. Pools in hot direct sunlight – schedule work for cooler parts of the day or thin the paint slightly to reduce blistering risk.

■ Special Note for Difficult Surfaces

A special water-based barrier coat is available for difficult or constantly damp substrates. Please contact our Technical Department for advice and product recommendations before proceeding.

Steelwork (Ladders, Handrails, etc.)

Abrade or shotblast steel to bare metal. Prime immediately with Polybond C.R. Zinc Phosphate Primer, then overcoat with Swimming Pool Paint within the recommended overcoating window. This ensures excellent corrosion protection in the pool environment.

Colour Continuity: Always match batch numbers on all tins purchased to ensure consistent colour across the pool. Record batch details for future re-ordering.

Application

New Concrete & Porous Surfaces – Three-Coat System

For best results and maximum durability on new or porous surfaces, a three-coat system is strongly recommended.

- **Primer Coat:** Stir thoroughly. Thin the paint with approximately 10% Polybond Thinners No.1. Apply by brush or medium-soft broom to ensure deep penetration into the substrate. Allow 24 hours drying.
- **Second Coat:** Apply a full-bodied coat (unthinned or minimally thinned if required). Allow a further 24 hours drying.
- **Final Coat:** Apply the finishing coat to achieve a uniform, defect-free surface. Total dry film build should be sufficient for long-term protection.

Application methods: Brush, roller or airless spray. Always work in sections and maintain a wet edge to avoid lap marks.

Application Methods

Method	Guidance
Brush	Use a medium to soft bristle brush or broom (excellent for pool floors). Do not overwork the paint into previous coats.
Roller	Use a short-pile roller. Avoid excessive rolling which can introduce air bubbles. Thin slightly if necessary. Cut in corners and details with a brush first.
Spray	Airless spray recommended. Allow minimum 6 hours drying between coats. Protect adjacent areas from overspray. Wear appropriate PPE including respirator. Thinning will be required – consult equipment supplier for viscosity guidance.

Non-Slip Additives: For pool floors, steps and shallow areas, non-slip additives may be broadcast in excess onto the wet final coat. Allow to dry, remove surplus, then apply a clear or matching topcoat to encapsulate the aggregate.

Overcoating Previously Painted Pools

Most sound previously painted pools can be directly overcoated. However, where the condition of the existing coating is unknown, perform a patch test:

Apply a test patch of Polybond Swimming Pool Paint to an area below the existing waterline (or on the pool floor if empty). Allow to cure fully, then immerse the patch in pool water for at least 7 days. If bubbling, lifting, pinholing or adhesion failure occurs, the old coating must be removed back to a sound substrate (shotblasting is often the most effective method). Contact our Technical Department for guidance if you are unsure about surface compatibility.

** Pinholing = the appearance of minute pinholes in the cured film, often indicating incompatibility or trapped moisture/solvents.*

Refilling the Pool

Allow the final coat to dry for a minimum of **3–4 days in summer** (longer in cooler/winter conditions – up to 7 days) before refilling. Ensure all pool chemicals are properly dispersed and dosed according to manufacturer guidelines. Never add concentrated chemicals directly onto the fresh coating.

Technical Properties

Property	Value / Details
Heat Resistance	Not suitable for surfaces heated above 65°C or for water-immersed surfaces heated above 40°C.
Coverage (approx.)	On smooth surfaces of average porosity: Primer coats: 8 m ² per litre Finishing coats: 8 m ² per litre
Pack Sizes	2.5 litre, 5 litre and 25 litre containers
Colours	White, Lagoon Blue (approx. BS 18 E 50), Lido Blue (approx. BS 18 E 51), Black. Other BS / RAL colours available to order.
Touch Dry	Less than 24 hours (depending on temperature, humidity and film thickness)
Recoat Interval	Minimum 24 hours (brush/roller) Minimum 6 hours (spray)
Thinning	Use only Polybond No.1 Thinners. Do not use other solvents.
Flash Point	40°C (solvent based – flammable)
Storage Life	Indefinite when stored in original sealed containers in cool, dry conditions. Pigments do not sediment excessively and the product will not skin over.
Condition	Single-pack material. Stir thoroughly before use.

Health, Safety & Environmental Information

Polybond Swimming Pool Paint is a solvent-based coating. Observe all standard precautions for flammable materials.

- Wear suitable protective gloves and barrier cream to avoid skin contact. Wash hands thoroughly after use.
- Wear eye protection (goggles or face shield). In case of eye contact, rinse immediately with plenty of water and seek medical advice.
- Ensure excellent ventilation during application and drying. Avoid breathing vapours or spray mist. Use appropriate respiratory protection in confined spaces or when spraying.
- Keep away from all sources of ignition – no smoking, naked flames or sparks. Flash point 40°C.
- Store in a cool, well-ventilated place away from direct sunlight and heat. Keep containers tightly closed when not in use.
- Dispose of waste and empty containers in accordance with local regulations. Do not pour down drains or into watercourses.

Important: Always refer to the current Safety Data Sheet (SDS) for full hazard information, first-aid measures and regulatory details before use. SDS available on request from Polybond Technical Department.

TECHNICAL SUPPORT & FURTHER INFORMATION

For technical advice, product recommendations, colour matching or Safety Data Sheets, please contact our Technical Department.

Polybond Ltd

Unit 6, William Street, Northam, Southampton, Hampshire, SO14 5QH, United Kingdom
 Tel: 02380 988350 | Fax: 02380 988355 | Email: sales@polybond.co.uk

This guide supersedes all previous versions. Information is given in good faith but without warranty. Users should satisfy themselves as to the suitability of the product for their intended application. Always follow current best practice and local regulations.