

IriPool™

General Description

This product is a single-pack thermoplastic acrylic based paint for concrete pools. IriPool™ has good adhesion over cement surfaces. It is self-priming with excellent UV protection. IriPool™ can be applied on previously painted rubber or acrylic based coatings.

Product Technical Information

- Solids by volume 53 ±1 % (White, Light grey, Blue)
Other colors will be available based on customer's order.
- Density 1.45 ±0.1 Kg /Lit (White, Light grey, Blue)
- Flashpoint >25°C
- Colors/Finish White, Light grey, Blue/ Matt
- Mixing ratio Single pack
- Suitable Thinner/Cleaner IriThin22

Drying & Recoating Times

| Temperature | To touch | To handle | To recoat | |
|-------------|------------|-----------|-----------|------------|
| | | | Minimum | Maximum |
| @ 10°C | 60 minutes | 8 hours | 10 hours | Indefinite |
| @ 23°C | 45 minutes | 6 hours | 8 hours | Indefinite |
| @ 30°C | 30 minutes | 4 hours | 6 hours | Indefinite |
| @ 40°C | 20 minutes | 2 hours | 4 hours | Indefinite |

Note: Drying times are dependent on air and surface temperatures as well as film thickness, ventilation, and relative humidity. Maximum recoating time is highly dependent upon actual surface temperatures, not simply air temperatures, higher surface temperatures shorten the maximum recoat window.

The surface should be dry and free from contaminants prior to overcoating. The best inter-coat adhesion is achieved when the subsequent coat is applied before the preceding coat is fully cured. After prolonged exposure times it may be necessary to roughen the surface to ensure inter-coat adhesion. When in doubt, consult your nearest **Darya Tamin** office.

Application

- **Suitable methods**

| Air Spray | Airless Spray | Brush/Roller |
|---|---|--|
| <ul style="list-style-type: none"> • Nozzle pressure: 3-5 bar • Nozzle size: 1.5-1.8 mm • The volume of thinner: 0-10% | <ul style="list-style-type: none"> • Nozzle pressure: 180-250 bar • Nozzle size: 0.38-0.48 mm • Spray angle: 40-80 degrees • The volume of thinner: 0-5 % | <ul style="list-style-type: none"> • Suitable • The volume of thinner: 0-10% |

- **Recommended thickness**

| | Dry film thickness(μm) | Wet film thickness(μm) | Theoretical spreading rate (m ² /l) |
|------------------|------------------------|------------------------|--|
| Acceptable range | 50-70 | 95-135 | 7.5-10.6 |
| Recommended | 60 | 115 | 8.8 |

Surface Preparation

Surfaces should be free of oil, grease, salt or other contaminants. Remove all wax, silicone, powdery or scaling rust and then clean the surface by fresh water washing.

Cement: The surface should be dry and free from salt, oil, grease, dust and any other impurity and particles. The loose particles should be removed from the surface before painting, and fill any large cracks or voids with appropriate filler. For the new cement surfaces, it is better to paint after at least 30 days after application (in environment temperatures around 20-30°C). It is recommended the humidity content test of cement be done before painting over such surfaces.

Painted surfaces: The existing systems should be sound and free from salt, oil, grease and other contaminants. Existing sound systems should be roughened before over coating. Damaged areas should be repaired first with an appropriate coating system.

Application Condition

The temperature of the substrate should be at least 3°C above the dew point of the air. Temperature and relative humidity should be measured in the vicinity of the substrate. The maximum recommended surface temperature is approx. 40°C and relative humidity during application and curing should not exceed 80% . When applying the paint in confined spaces, provide adequate ventilation during application and drying. The temperature of the mixed paint should be at least 10°C.

Storage, Handling & Shelf Life

Generally, keep the paint containers in dry and cool (5-35 °C) place and away from heat or open flame. Paint containers must be kept tightly closed in the well-ventilated area and handled with care. This product's shelf life @ 23 °C is 12 months.

Environmental, Health & Safety Note

Read the material safety data sheet (MSDS) of the product before use and pay attention to safety signs attached to the product can. This product is flammable so keep away from heat and open flame.

Avoid skin and eyes by wearing overall, glove, goggles, and a suitable mask. Spillage on the skin should immediately be removed with a suitable cleanser, soap, and water. Eyes should be well flushed with water, and medical attention sought immediately. Don't discard the product on planets, sea, river and drinking water sources.

Keep out of reach of children.

Disclaimer

The information in this document is given to the best of IRIS's knowledge based on professional tests by our experts. However other factors that are affecting the use and application of this product are out of IRIS's responsibility.

For more information contact with Darya Tamin.