

POLYFLAKE® LLC

**MARINE
CORROSION
ENGINEERING**

Cruise Ships Swimming Pools

**Revamping & Improvement
Turn-key solutions**

Swimming pools

“turn key” revamping package

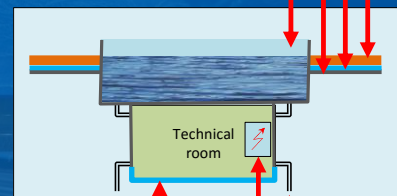
We have developed a comprehensive Turn-Key Package for the revamping and the operational improvement of the swimming pools for the Cruise Ships.

The Turn-Key package extends to the following areas:

- **Pool deck**
 - removal of the existing deck finishing
 - steelworks
 - surface preparation
 - application of Polyflake 110 corrosion protection resins or synthetic flooring manufacturer's primer
- **Swimming Pool**
 - removal of existing coating
 - steelworks
 - surface preparation
 - application of NSF approved top-quality, Polyflake Coating System resin 880.
- **Technical Room**
 - removal of existing deck coating
 - steelworks
 - Surface preparation
 - Application of corrosion-resistant Polyflake resin 220
 - Automation replacement with state of art new units
- **Pool system**
 - automation system field cabling and sensors validation
 - Electric and automation systems check and repairs
 - piping repair, with Polyflake coating, or renewal as applicable.

The swimming pool system

1. Synthetic flooring
2. POLYFLAKE® 110
3. Ship deck
4. POLYFLAKE® 880



5. POLYFLAKE® 220
6. Automation system
7. Piping

Technical Partners

Specialists have come together to solve the swimming pools operational problems:

- Corrosion protection improvement to extend the system life.
- Renewal of the obsolescing equipment.
- Revamping of degraded areas.
- Synthetic flooring at Customer choice and care.



Swimming pools treatment cycles for an extended, low maintenance, new life

The key advantages of POLYFLAKE®'s treatments are:

- The extreme resistance to corrosion, marine salted atmosphere, and sun light.
- The flexibility of the resins coat able to resist to thermal excursions, vibrations and follow the ship structure deflections due to the motion and bad sea conditions.
- The reparability on site of the coat in case of damages; using the original POLYFLAKE® repair kit the ship crew can take care during the night just in a couple of hours.
Fast curing time minimizes downtime without affecting daily pool availability.
- The POLYFLAKE package includes:
 - Removal of pool accessories and existing coat.
 - Repair to the pool structure providing eventually cutting, new plates and welding.
 - Final surface cleaning and preparation
 - Application of base coat and resistant finishing POLYFLAKE® resin 880.
 - Finishing and reinstallation of pool accessories.
- In the case the pool needs a specific architectural décor, it can be applied on the POLYFLAKE coating that provides the best corrosion protection barrier today available in the market.
- Treatment life extends well beyond the original arriving to over 20 years simply renewing the top coat that will perfectly bond to the existing coat.

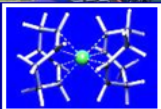
POLYFLAKE® Coating

- POLYFLAKE® technology is based on well proven GRP "C-flakes" and resin compounds.
- Application is very convenient.
- Coating results are measurable on all surface and can be tested and certified in field.
- Coat damages can be easily and inexpensively repaired on site by untrained personnel with original POLYFLAKE® Kit and instructions.
- The resin is NSF approved for potable water.

Jacuzzi's Basement Coating

- POLYFLAKE® coating technology provides the best corrosion barrier to the basements and deck under the Jacuzzi pools.





POLYFLAKE® LLC

MARINE
CORROSION
ENGINEERING

We supply



Common defects and pitfalls of standard treatments

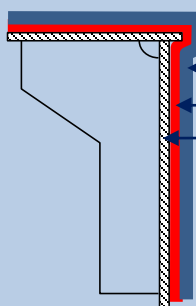
- Any discontinuity in the pool base shape is a potential starting point of corrosion.
- Accessories, lighting fixtures and nozzles are the weakest points in the corrosion chain as mechanical shocks on the treated surface.



The protection technology is not expensive and pays for itself in no time

Traditional treatments shows immediate evidences of local cracks and coat deteriorations.

- All coat degradation areas and mechanical shocks are immediately marking the pool surface with unaesthetic shades and rust spots.
- Treatment patching is almost impossible and need sensible downtime with discomfort for the passenger in one of the most loved and frequented ship areas.
- The patches do not solve the problem of the water penetration; behind the coat inevitably starts to corrode the carbon steel structure with rapid reappearance of rust spots and shades and possible local damages to the ship superstructure.
- POLYFLAKE® treatments resolve definitely all those problems; higher resistance and easy repairable just in case.



1. POLYFLAKE® Top coat
2. POLYFLAKE® Base base
3. Swimming Pool base structure



The cracks fix needs few simple operations: clean and sand the area, apply the POLYFLAKE® kit resin with a trowel.
After two hours the pool can recover the normal operability.



POLYFLAKE® LLC
SeeSide Inc. 
 INNOVATIVE MAINTENANCE

TRITECH
 MARINE

Contact us for technical economical estimate at:

info@Polyflake.com

info@SeeSideInc.com

info@TritechMarine.com



B004-0