

7600 - MARINE

NANO-CERAMIC COATING

APPLICATION INSTRUCTIONS

1. PRODUCT DESCRIPTION

7600 – Marine is a high performance nano-ceramic coating formulated for high performance marine applications.

7600-SLICK creates a hard, super slick, long lasting hydrophobic clear finish that significantly reduces drag on treated surfaces in both water and air. This improves energy efficiency, speed, lift and manoeuvrability of all types of marine vehicles. Treated surfaces are self-cleaning and will repel water, ice, snow, dirt, and marine organisms. 7600 is extremely durable and provides excellent UV protection. 7600 is an inert (benign) material that is safe for use in marine environments.

7600-GRIP is an excellent solution for marine deck applications. Wet Grip and Texture are added to create an anti-slip surface for high traffic areas. Antimicrobial additives may also be added to protect coated surfaces from a wide variety of microorganisms.

2. SURFACE PREPARATION

- A clean and dry surface is always best.
- Surfaces must be free from oils and other containments before starting the coating process.
- Air blow any dust from the surfaces to eliminate any surface contamination before coating.
- Aluminum and other metal or non-ferrous surfaces:
- Abrasive blasting with a medium pressure 120-150 grit garnet or similar abrasive. Blasting should be just enough to create an etched surface. Follow with coating application (per instructions below) as quickly as possible to prevent flash rusting. If abrasive blasting is not possible, remove any loose rust or flaking paint with a descaling brush.
- For gelcoat or composite surfaces:
- Clean the surface with a good cleaning solution or sand the surface prior to painting. Be sure to remove any oils, dust or other foreign matter from the substrate before painting. Again, the objective is to have a clean, slightly etched surface.

3. APPLICATION

- As with any new material, always test application and finished properties on a low value test article or panel before working on valuable surfaces.
- Temperature during application should be at least 5°F above the dew point. Relative humidity during application and cure should be a minimum of 40%.
- Power mix components A & B together to create a uniform consistency. The correct ratio is 4:1 (80:20).
- Product is flammable prior to curing therefore use appropriate mixing equipment and proper ventilation when working with this product. Review product SDS before working with this product.
- There is no induction time required before applying this product.
- Application methods: spray, roller, brush or flexible spreader tool (to fill porous surfaces).
- Recommended spray equipment: spray nozzle orifice is 1.5 to 2.0mm.

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- Recommended nozzle pressure is 0.3 to 0.4 MPa or 58psi.
- Apply the coating with the tack coat followed by the typical box coat application method to be assured of a uniform coating thickness. This process consists of applying a fine mist of paint using vertical passes and then immediately applying a thicker coat (3-7 mils) using horizontal passes. This combination should ensure even and consistent coverage.
- If spraying, apply in 50% overlapping passes to ensure proper coverage.
- Regardless of application tool used, the coating should be applied smoothly and evenly on the substrate to a dry film thickness of 3-7 mils.
- Use MEK or similar solvent for cleaning tool and equipment and application.

7. DRYING & CURING TIMES

Solids	Part A Resin 96% +/- 2% Part B 71% +/- 2%
Pot Life	4 hours in ambient conditions.
Drying Time	Dry to the touch in approximately 1.5 – 2 hours at ambient temperatures.
Recoat Time	1.5 – 2 hours in ambient conditions.
Curing Time	4 – 4.5 hours. After the coating is dry to the touch, warmer airflow (not to exceed 110°F/43°C) will accelerate curing.

8. COVERAGE RATE

- Coverage will be approximately 289 square feet per gallon (7.1 square meters per liter) at dry film thickness of 5 mils.

9. STORAGE STABILITY & SHELF LIFE

The shelf life is one year when stored in the original, unopened container. Store containers in a well-ventilated and covered area away from extreme heat and moisture. Contact your representative if you have any questions about the products or its uses.

10. SAFETY

Refer to the Safety Data Sheet for this product prior to use.