

## Diamond Acrylic Clear

### Technical Data Sheet (TDS)

#### Product Description

**Diamond Acrylic Clear** uses the highest-grade blend of acrylic modified urethane resins to provide enhanced protection with high gloss while maintaining the user-friendly features that professionals expect.

**Product features:**

- Fast dry for improved throughput
- Excellent DOI
- High performance clear provides resistance to chemicals and impact
- Easy to polish and repair

**Not for use below the waterline.**

#### Recommended Uses

Diamond Acrylic Clear is suitable for all Marine Applications where a high-performance acrylic urethane clearcoat is required. This product is intended for professional use.

#### Mix Ratio

**4 parts by volume of component A [MTA0200]**

**1 part by volume of component B [MTB0200]**

thin as required.

The optimal finish is obtained when RH is 80% or less. Thin as required using Endura Marine Urethane Reducer. For extreme weather conditions (85% RH +) use 10-15 % Marine Medium Urethane Reducer.

#### Product Characteristics

<b>Gloss: ASTM D2457</b>	High: 90+ GU at 60°
Slight gloss variations will occur depending on color.	
<b>Volume Solids Mixed:(Unreduced)</b>	33 % ± 3%
Volume solids will vary by color	
<b>Pot Life: (77°F (25°C) and 50% RH)</b>	4 Hours
<b>Note: This will vary depending on ambient conditions</b>	
<b>VOC Mixed (Unreduced): EPA Method 24: Typical</b>	535 g/l (4.426 lb/gal)
<b>Shelf Life:</b>	2 years unopened
<b>Container Sizes:</b>	Quarts, Gallons

#### Surface Preparation

Diamond Acrylic Clear can be applied over Evolution Yacht Topcoat without sanding during the topcoat window.

Ensure that surfaces to be clear coated are free of flaws, surface contaminants and other surface imperfections. If the Evolution Yacht Topcoat has been allowed to cure longer than 24 hours, sanding will be required to achieve inter-coat adhesion. **Between 24 – 48 hours:** sand with 600 grit sandpaper. **After 48 hours:** sand with 320 – 400 grit sandpaper

**Note:**

- **Do not sand metallic or pearl colors.**
- **Do not mix Diamond Acrylic Clear with metallic color for final coat.**
- **Do not mix Diamond Acrylic Clear into final color coat on solid colors.** This may cause matching and repeatability issues.

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#### Application

Diamond Acrylic Clear can be applied using most spray-painting systems.  
Diamond Acrylic Clear can be applied in two passes to achieve a high-quality finished appearance

After application of Evolution Yacht Topcoat wait for the following times before application of Diamond Acrylic Clear:

Solid Colors	Metallic Colors
8 – 10 hours	8 – 10 hours

Diamond Acrylic Clear can be applied as soon as the surface has cured enough to wipe with a tack cloth.  
Apply 2-3 wet coats of Diamond Acrylic Clear with a 15-20 minute flash off between coats.

**The use of Marine Urethane Accelerator with Evolution Yacht Topcoat will accelerate drying times.**

**Be aware when more than three coats of paint are applied in any given 12-hour shift (including primer, topcoats, and clear coat). If more than 3 coats have been applied, wait 10-12 hours is recommended to allow for proper solvent evaporation.**

#### Dry Times

Diamond Acrylic Clear			
	68°F (20°C)	86°F (30°C)	104°F (40°C)
Dust Free	4 Hours	2 Hour	60 Minutes
Polish	24 Hours	18 Hours	12 Hours
Full Cure	7-14 Days		

**Note: Dry Times are subject to ambient conditions (temperature and humidity), good airflow and film build of the topcoat.**

#### Film Build

Diamond Acrylic Clear has a recommended film build thickness of:

Wet: WFT Unreduced	3.0 – 6.0 mils	75 – 138microns
Dry: DFT	1.0 – 2.0mils	25 – 50 microns

Theoretical coverage at 1.0 mil (25 microns) average DFT: 510 ft<sup>2</sup> per gallon at 100% transfer efficiency.

#### Clean Up

Clean all equipment immediately after use with a High Strength Gun Wash, Endura Marine Epoxy Reducer or Endura Marine Urethane Reducer. Follow manufacturer's safety recommendations when using any solvent.

#### Environmental Conditions

For optimum coating performance product, substrate and ambient temperature should be between 68°F-77°F (20°C-25°C). To prevent condensation during application the surface temperature must be 5°F (5°F) or more above the dew point at all times. For use outside this range contact your Endura Representative.

#### Safety Precautions

Please refer to all Safety Data Sheets (SDS) before using this product. SDS sheets can be found on our website at [www.endurapaint.com/marine](http://www.endurapaint.com/marine)