

Marine Impact Coating

Technical Data Sheet (TDS)

Product Description

Marine Impact Coating is polyurethane, liquid rubber hybrid coating that provides a tough, durable, abrasion resistant finish for a wide variety of applications.

Product features:

- Ability to build up to 100 mils in one coat
- Surface texture can be easily modified
- High degree of flexibility.
- Can be used as an anti-skid coating.
- Can be used as a sound deadener + vibration dampener in boats
- Available in multiple colors.
- VOC Compliant.

Do not use below the waterline.

Recommended Uses

Marine Impact Coating can be used in either new build or maintenance situations, where a heavy wear product for multiple service applications such as an impact absorber for high maintenance zones on equipment is required.

Topcoating with one of the Endura Marine Topcoats is recommended for long term UV stability.

Mix Ratio

3 parts by volume of component A [MTA04XX]

1 part by volume of component B [MTB0400]

The recommended temperature when mixed is 68-77°F (20-25°C).

Product Characteristics

Volume Solids Mixed:(Unreduced)	70% ± 2%
Pot Life: (77°F (25°C) and 50% RH)	20 -25 minutes The product will start to thicken in approximately 15 minutes and may require thinner to dilute enough to spray. Restricted access or application might require using a Marine Retarder to slow down the reaction
VOC Mixed (Unreduced): EPA Method 24: Typical	193 g/l 1.614 lb /gal
Shelf Life:	1 year unopened
Available Sizes:	Quarts, Gallons

Surface Preparation

Steel Substrates:

Surface must be free of all contaminants such as dust, oil, grease, and salt. It is recommended that all steel and other ferrous surfaces be sandblasted to a minimum of SSPC-SP6 or mechanically sanded with 80 grit sandpaper and primed with an appropriate Endura primer.

Marine Impact Coating must be applied over a primer.

Apply the Marine Impact Coating over the Endura Marine primer sealers and surfacers within 1 to 12 hours.

If the primer has been allowed to dry for more than 12 hours, it is recommended to apply a thin film tie coat of either Epoxy Primer Sealer prior to the application of Marine Impact Coating to ensure good adhesion.

Previously painted surfaces:

Scuff sand the surface with 240-280 grit sandpaper and apply a tie coat primer such as Epoxy Primer Sealer or other approved Endura Marine primers.

For any surfaces not mentioned or for further information contact your Endura Representative.

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Application

Marine Impact Coating is sprayed with a pneumatic Shutz or undercoat gun. Marine Impact Coating cannot be sprayed with a standard paint gun.

Important Information

Spraying viscosity and thinning will manipulate and affect the desired surface finish.

To achieve a desired spraying viscosity and desired surface finish reducing with Xylol up to 30% to achieve a smoother textured finish.

Note: Spraying viscosity and thinning will depend on ambient conditions, spray equipment used, and the desired surface finish.

To retain a high gloss finish and long-term UV stability, topcoating with one of the Endura Marine Topcoats is recommended.

Dry Times

	68°F (20°C)
Dry to Touch	3-4 hours
Dry to Topcoat	4 hours [Optimal 8-12 hours]
Dry to Handle	1 Day
Full Cure	5-7 days

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

For questions about scheduling please contact your Endura Representative.

Film Build

Marine Impact Coating has a recommended film build thickness of:

Wet: WFT Unreduced	29.0 – 147 mils	725 – 3675 microns
Dry: DFT	20.0 – 100.0 mils	500 – 2500 microns

Theoretical coverage at 1.0 mil (25 microns) DFT: 1122 ft² 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.enduramarinepaint.com