

Flex Sealer

Technical Data Sheet (TDS)

Product Description

Flex Sealer is a high solids two component urethane primer that is self leveling and will provide enhanced flexibility. Flex Sealer produces an ultra fine finish that be overcoated without additional preparation.

Product Features:

- Self- leveling
- Excellent flexibility
- 3 day topcoat window
- Ultrafine finish
- Can be topcoated in 60 minutes

Do not use below the waterline.

Recommended Uses

Flex Sealer is ideally suited for marine vessels and substrates that demand specific performance in high impact or rugged service environments. Flex Sealer produces an ultra smooth finish over fiberglass, aluminum, reinforced plastics, wood, and pre-existing coatings that must be sealed before urethane top-coat is applied. This product is intended for professional use.

Mix Ratio

3 parts by volume of component A [MPA0100]
1 part by volume of component B [MPB0100]
1 part by volume of Medium Urethane Reducer [MUR0200]

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

Product Characteristics

Finish	Low gloss
Volume Solids Mixed:(Unreduced)	57 % ± 1%
Pot Life: (77°F (25°C) and 50% RH)	8 Hours
VOC Mixed (Unreduced): EPA Method 24: Typical	143 g/l 1.193 lb /gal
Shelf Life:	2 years unopened
Available Sizes:	Quarts, Gallons

Surface Preparation

Bare Fiberglass or epoxy or existing finishes: Remove all contaminants such as dust, oil, grease, and salt. Flush with fresh water and allow to dry. Sand with 80 -120 grit. Remove all sanding dust before priming.

Bare Aluminum: Clean the surface with Degreaser 10 (follow the product instructions). Once the Aluminum surface has properly dried from using Degreaser 10, mechanically sand the surface with 80-120 grit. A maroon nylon scuffing pad can be used in hard-to-reach areas. Once sanded, Mariner Epoxy Primer Surfacer must be applied within 4 hours to achieve optimal adhesion. If the time between sanding and priming exceeds 4 Hours, the surface should be re-sanded.

Bare Steel (Above Waterline): It is recommended that all steel and other ferrous surfaces be sandblasted a minimum of SSPC-SP6 or mechanically sanded with 80 grit sandpaper.

For any surfaces not mentioned or for further information of preparation below the waterline contact your Endura Representative.

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Application

Flex Sealer can be applied by brush, roller or spray using most spray-painting systems.

Spraying: Apply 1 -2 coats as required to achieve the desired film build. Allow sufficient flash time between coats (20-30 minutes).
Spraying viscosity and thinning will depend on ambient conditions, spray equipment used, and the desired surface finish.

Brushing or Rolling: For brushing use a natural hair bristle brush or for rolling a short (1/8") pile solvent resistant roller. Apply 1-2 coats as required to achieve the desired film build. Allow sufficient flash time between coats (20-30 minutes).

Flex Sealer can be topcoated with the full range of Endura Marine Topcoats

Dry Times

	68°F (20°C)
Topcoat	1 hour
Dry to Touch	8 hours
Dry to Handle	24 hours
Full Cure	7-9 Days

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

The maximum re-coat window without sanding Flex Sealer is 3 days at 68°F (20°C). If the topcoat window has been exceeded sand with 220 – 320 grit sandpaper and blow off sanding dust prior to topcoating.
The use of Marine Urethane Accelerator is recommended.

For questions about scheduling please contact your Endura Representative.

Film Build

Flex Sealer has a recommended film build thickness of:

Wet: WFT Unreduced	5.5 – 9.0 mils	140 – 230 microns
Dry: DFT	3.0 – 5.0 mils	76 – 127 microns

Theoretical coverage at 1.0 mil (25 microns) DFT: 915 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.endurapaint.com/marine