

MarineMEND®

Superior Chemical Resistance Exceptional Toughness

Description

MarineMend® is a two (2) component 100% solid coating. Manufactured with the same polymer as MarineLine®. MarineMend is supplied in complete small sized kits for quick and easy repairs.

Purpose

For the repair of mechanically damaged MarineLine® coating, holidays (pinholes), and damage from welding due to modification work in cargo tanks.

Packaging

0.25 liter, 0.50 liter, and 1.0 liter kits

General Application Information

Complete repair instructions provided on the reverse side. Visit www.adv-polymer.com to see the entire photo sequence of MarineMend repair activity.

Application Highlights

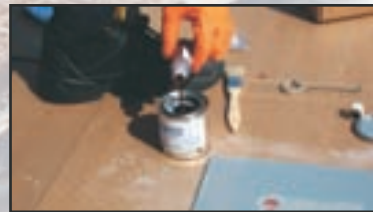
- No volatiles released during cure
- 100% solids
- Can be applied at temperatures from 5°C to 40°C (41°F to 104°F)
- Resists thermal shock
- Temperature resistance from -40°C to 150°C (-40°F to 302°F)
- Outstanding chemical resistance
- Easy to apply



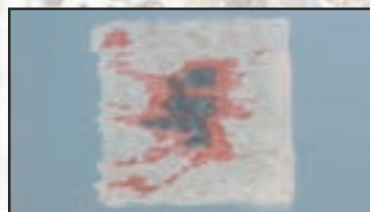
1. MarineMend Kit Contents of Part A (Resin) and Part B (Catalyst)



2. Close-up of damage area to repair.



3. Mixing MarineMend contents together.



4. A properly prepared surface prior to MarineMend application.



5. Applying MarineMend® to surface.



6. Finished and completed repair.

Application Data

1) Pre Surface Preparation

- A) Pre-surface preparation includes a detergent wash and chemical cleaning of all surfaces to be repaired.
- B) All surfaces must then be dried.

2) Surface Preparation

- A) If the damaged areas are small and are independent (separate) from each other, then the small, damaged areas may be hand sanded with medium grit aluminum oxide sand paper. The topcoat (Grey) of the MarineLine® coating and any rust spots must be removed.
- B) For areas that are larger, a disk sander with a medium grit aluminum oxide disk should be used. Remove topcoat (Grey) of the MarineLine® coating and any rust spots down to a near white metal.
Note: All areas sanded to near white metal must have an area of 25 mm around its periphery. MarineLine® coating topcoat (Grey) removed to a feathered edge.
- C) Feather edge the sanded area so that no loose or sharp edges of existing coating are observable.
- D) The area should be vacuumed thoroughly to remove all dust particles and washed with solvent (Acetone) to remove all contaminants.

3) Coating the Repair Spots

- A) When all the preparation work is completed, mix thoroughly the MarineMend® Repair Kit — Part A (Resin) and Part B (Catalyst).
Note: The pot life of MarineMend® Repair Kit is 15 minutes maximum @ 20°C (68°F).

Make sure all surface preparation is completely finished before mixing MarineMend® Repair Kit — Part A (Resin) with Part B (Catalyst).

- B) Use a small brush or roller to apply the mixed MarineMend® Repair Kit.
- C) Apply one coat of the MarineMend® Repair Kit to the prepared surface area. The final average dry film thickness (DFT) should measure 300 microns. At **NO Time** should the average DFT exceed 350 microns. If a second coat is required to reach the correct DFT, follow reference temperature (C°/F°) below.
- D) The coating should cover all areas that have been prepared (sanded) including the feathered edge of the original MarineLine® coating.
- E) Allow to dry for 6 to 8 hours with good ventilation.
- F) If a second coat is required, apply at this time following instructions (A) through (E) above.

4) Curing Requirements

Post cure MarineMend® with steam coils — minimum temperature 60°C (140°F) — hold for a minimum of 24 hours.

Any questions contact Advanced Polymer Coatings, Ltd. as noted below:

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Product covered under one or more of the following patents or patents pending. 5,169,912 5,658,996 5,874,501



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