

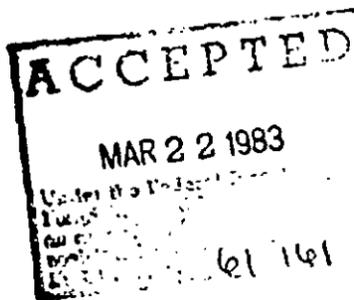
KOPPERS

Z-Spar Marine Coatings

TECHNICAL DATA SHEET

PRODUCT: MULTITOX ANTI-FOULING PAINT

DESCRIPTION: An effective semi-soft type anti-fouling bottom paint for use in salt or fresh water. Active ingredient is cuprous oxide. It is the type used on many large ocean-going vessels, and widely used on pleasure boats.



USE: FOR MARINE USE ONLY. NOT INTENDED FOR USE IN THE HOME.

It is designed for use on wood, fiberglass and steel ship bottoms that have high speed capabilities to 18 knots. The coating protects ship bottoms from the attachment of barnacles, hydroids, bryozoa, algae and other marine growth. It also protects wood boats from wood borers.

DO NOT APPLY TO ANY SURFACES OTHER THAN BOAT BOTTOMS.

TECHNICAL DATA:

Number of coats: 2 to 3

Coverage: 400-500 sq. ft. per gallon (allows for an approximate loss of 20%).

Drying time at 70°F.
and 50% relative humidity:

Between coats: 4 hours

Before launching: 6 hours minimum, overnight preferable; 7 days maximum.

Colors: B-50 Red, B-51 Blue

Thinners: T-10 Thinner

Cleaners: T-8, T-10 or T-11 Thinners

Surface Preparation: Be sure surface is clean and dry before painting. When sanding of fiberglass or wood or sandblasting of steel is necessary, remove dust by clean air blast, clean soft brushes or wiping with clean rags, then follow by tac-rag to ensure complete removal of dust.

OLD BOTTOM PAINT: After hauling the boat, allow the hull to dry of absorbed water before repainting. Over old bottom paint apply two coats of Multitox Anti-Fouling after scrubbing, cleaning.

Koppers Company, Inc., Pittsburgh, Pennsylvania 15219

TECHNICAL DATA
(Continued):

and removing any loose paint. When sanding old bottom paint, always WET-SAND and take precautions against getting the material in your eyes, nostrils, open cuts, etc. Where the excess bottom substrate is visible, prime per instructions for the substrate.

WOOD BOTTOMS: Sand wood surface with 80-100 grit wet or dry sandpaper. Apply three coats of Multitox Anti-Fouling. Thin first coat 10% with T-10 Thinner to allow greater penetration. The next two coats should be applied at package consistency. Any metal parts must be properly primed before applying the bottom paint.

FIBERGLASS BOTTOMS: Wash with soap, ammonia, and water, let dry then thoroughly clean hull with Z-Spar T-1132 Fiberglass Prep Solution. Sand with 100-220 grit sandpaper to dull and roughen the surface. Wipe off sanding dust with clean tac rag. Apply one coat of P-527 Primer. While the P-527 is still soft and tacky (within 4-6 hours normally), apply the first coat of Multitox. If the P-527 Primer cures longer than overnight, apply another coat of P-527 Primer and use the "wet-on-wet" technique, or apply one coat of P-619 Non Sanding Fiberglass Primer as a tie-coat prior to the application of Multitox.

STEEL BOTTOMS: Sandblast to a near-white metal surface and apply three coats of P-646 Epoxy Primer to a minimum 8 dry mils film thickness, following P-646 label instructions. For best results, apply the first coat of Multitox "wet-on-wet" to the P-646, that is while the last P-646 coat is still slightly soft (usually within 2-6 hours). If the P-646 Primer cures longer than overnight, apply another coat of P-646 Primer and use the "wet-on-wet" technique, or apply one coat of P-619 Non Sanding Fiberglass Primer as a tie-coat prior to the use of Multitox.

ALUMINUM BOTTOMS: Multitox is not recommended for aluminum. Colortox Anti-Fouling which does not contain copper is recommended for aluminum hulls.

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TECHNICAL DATA:
(Continued)

Mixing Instructions: Stir coating well before and occasionally during use to keep pigment suspended in the paint.

Methods of application: Apply generously at package consistency with brush or roller. If thinning is necessary, due to evaporation of solvent from can during use, add Z-Spar T-8 or T-10 Thinner. Do not spray as inhalation of spray dust is hazardous. Do not apply when temperatures are expected to drop below 40°F. or if rain is expected before the coating is dry.

Packaging: One-gallon cans, quarts.

PRECAUTIONS: Follow precautions as listed on label for MULTITOX ANTI-FOULING PAINT

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ACCEPTED
MAR 22 1983
Under the Federal Insecticide, Fungicide, and Rodenticide Act
EPA Reg. No. 100-100000-01

**Semi-soft Sloughing Ty
B-50 F**

KEEP OUT OF REACH OF CHILDREN.
WARNING! CAUSES EYE IRRITATION
SKIN. MAY BE FATAL IF SWALLOWED OR
See additional precautions on back panel

NE . 1 GALLON

MULTITOX ANTIFOULING PAINT: Highly effective against attachment of barnacles, hydroids, bryozoa, algae and other marine or fresh water growths. Protects wood boats against borers. For use in both salt and fresh water. Do not apply to any surface other than boat bottoms.

DIRECTIONS FOR USE:

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

GENERAL: Be sure surface is clean and dry before painting. When sanding is necessary on surfaces, remove sanding dust by clean air blast, clean soft brushes, or wiping with clean rags, then follow by tack-rag wipe to insure complete removal of sanding dust.

NOTE: Face masks should be used when sanding.

Stir paint well before and during use. Apply generously with brush or roller at package consistency. If thinning is necessary due to evaporation of solvent from the can use Z-Spar T-10 Thinner. Do not spray as inhalation of spray dust is hazardous. Do not apply if temperatures are below 40°F or if rain is expected before the coating is dry.

COVERAGE PER COAT: Approximately 400 sq. ft. per gallon (allows for a 20% loss).

NUMBER OF COATS: 2 or 3 depending on the surface.

DRYING TIME AT 70°F AND 50% RELATIVE HUMIDITY:

Between coats: 4 hours minimum
Prior to submerging: 6 hours minimum, 7 days maximum

THINNER: Z-Spar T-10 or T-11 Thinner

CLEANER: Z-Spar T-8, T-10 or T-11 Thinner

OLD BOTTOM PAINTS: After hauling boat, allow hull to dry of absorbed water before repainting. Over old paint, apply two coats of Multitox Paint for best results after scrubbing, cleaning, and removing any loose paint. When sanding old bottom paint, always "wet sand" and take precautions against getting the material in your eyes, nostrils, open cuts, etc. Where excess bottom substrate is visible, prime per instructions for the substrate.

WOOD BOTTOMS: Sand wood surface with 80-100 grit wet or dry sandpaper. Apply three coats of Multitox Paint. Thin first coat 10% with Z-Spar T-10 Thinner to allow greater penetration. The next two coats should be applied at package consistency. Any metal parts must be properly primed before applying the bottom paint.

FIBERGLASS BOTTOMS: Wash with water. Let dry, then thoroughly sand with Z-Spar T-1132 Fiberglass Prep Solvent with 100-220 grit sandpaper to dull surface. Wipe off sanding dust with clean rag. Apply one coat of Z-Spar P-527 Primer. While the P-527 is still soft and tacky (normally), apply the first coat of Multitox Paint (on-wet technique). If the P-527 Primer is not tacky than overnight, apply another coat of Z-Spar P-527 Primer. If the P-527 Primer is tacky, use the "wet-on-wet" technique, or apply Z-Spar P-619 Non-Sanding Fiberglass Primer coat prior to the application of Multitox Paint.

STEEL BOTTOMS: Sandblast to near white metal and apply three coats of Z-Spar P-646 Primer to a minimum 8 dry mils film thickness following the P-646 label instructions. For best results, apply the first coat of Multitox Paint while the P-646 is still tacky (usually within 2-6 hours). If the P-646 is not tacky longer than overnight, apply another coat of Z-Spar P-646 Primer. If the P-646 Primer is not tacky, use the "wet-on-wet" technique, or apply Z-Spar P-619 Non-Sanding Fiberglass Primer coat prior to the application of Multitox Paint.

ALUMINUM BOTTOMS: Multitox Paint is recommended for aluminum. Z-Spar Coat Primer which does not contain copper is recommended to prevent an electrolysis problem in re-anodized aluminum hulls.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate food or feed by storage or disposal of this product. Mixing is prohibited.

PESTICIDE STORAGE: Keep container upright to prevent leakage. Keep container out of use.

PESTICIDE DISPOSAL: Pesticide rinse water that cannot be used according to instructions must be disposed of according to approved state procedures under Section 101 of the Resource Conservation and Recovery Act.

CONTAINER DISPOSAL: Triple rinse container and dispose of in a sanitary landfill or according to approved state and local procedures.

Koppers Company, Inc.

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