



## Hard Type Antifouling Paint B-90 Red

KEEP OUT OF REACH OF CHILDREN.

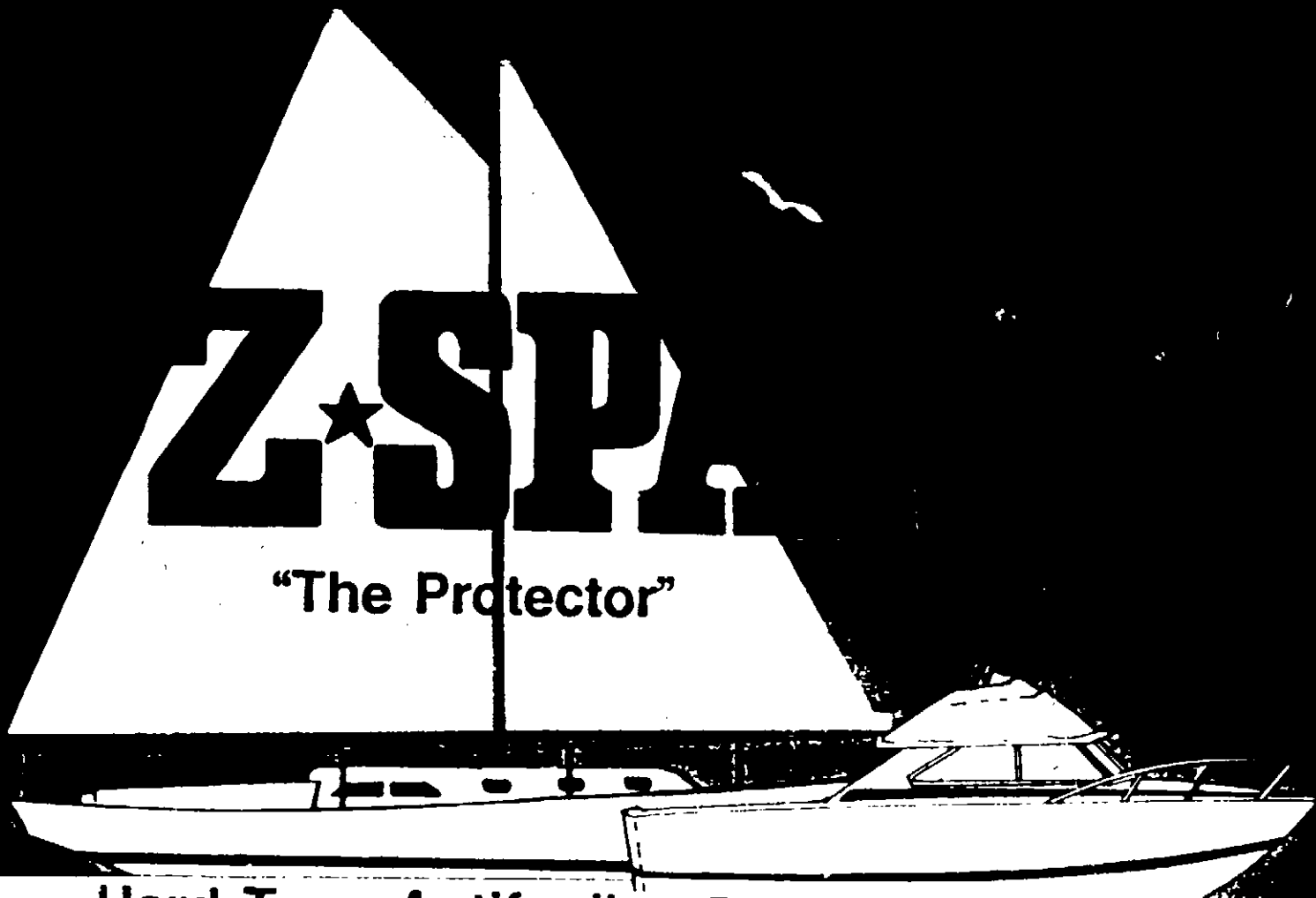
**DANGER!** CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE AND BURNS.  
HARMFUL IF ABSORBED THROUGH THE SKIN. MAY BE FATAL IF SWALLOWED  
OR INHALED. COMBUSTIBLE.

See additional precautions on back panel.

**NET 1 GALLON / 3.8 Liters**

ACTIVE INGREDIENTS  
Cuprous Oxide . 60  
Tributyltin Fluoride 1  
INERT INGREDIENTS: 32  
EPA REG NO 61164

*with comments*  
*6/1/84*



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OR INHALED. COMBUSTIBLE.

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**NET 1 GALLON / 3.8 Liters**

ACTIVE INGREDIENTS  
Cuprous Oxide 66.2%  
Tributyltin Fluoride 1.6%  
INERT INGREDIENTS 32.2%  
EPA REG. NO. 61168

**"The Protector" ANTIFOULING PAINT:** A highly effective hard antifouling bottom paint of premium quality. Contains a high concentration of cuprous oxide plus organotin. Protects against attachment of barnacles, hydroids, bryozoans, algae and other marine growths. Protects wood boats against borers. For use in both salt and fresh water. Do not apply to any surfaces 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 mask 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 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% RH:**

**RELATIVE HUMIDITY:**

Between coats: 6 hours minimum

Prior to launching: 6 hours minimum to overnight, preferably 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 the boat, allow the hull to dry thoroughly of absorbed water before repainting. Over old paint apply two coats of "The Protector" 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, see per instructions for the substrate.

**WOOD BOTTOMS:** Sand wood surface with 80-100 grit wet or dry sandpaper. Apply three coats of "The Protector" paint to bare wood. 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 soap, ammonia, and water. Let dry, then thoroughly clean hull with Z-Spar T-1132 Fiberglass Prep Solution. Then sand with 100-220 grit sandpaper to dull and roughen the surface. Wipe off sanding dust with clean cloth or tack rag. Apply one coat of Z-Spar P-527 Epoxy Primer. While the P-527 is still soft and tacky (within 2-6 hours, normally), apply the first coat of "The Protector" (the "wet-on-wet" technique). If the P-527 cures longer than overnight, apply another coat of P-527 and use the "wet-on-wet" technique, or apply one coat of Z-Spar P-619 Non-Sanding Fiberglass Primer as a tie coat prior to the application of "The Protector".

**STEEL BOTTOMS:** Sandblast to 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 "The Protector" "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 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 "The Protector".

**ALUMINUM BOTTOMS:** "The Protector" is not recommended for aluminum. Z-Spar Colorox Antifouling Paint, which does not contain copper, is recommended for aluminum hulls.

**STORAGE AND DISPOSAL**

**PROHIBITIONS:** Do not contaminate water, food, or feed by storage or disposal of this product. Open dumping is prohibited.

**PESTICIDE STORAGE:** Keep closures tight and upright to prevent leakage. Keep container closed when not in use.

**PESTICIDE DISPOSAL:** Pesticide spray mixture or rinse water that cannot be used according to label instructions must be disposed of according to Federal or approved state procedures under Subtitle C of the Resource Conservation and Recovery Act.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved state and local procedures.

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND  
DOMESTIC ANIMALS  
DANGER**

CONTAINS AROMATIC AND ALIPHATIC HYDROCARBONS

See Material Safety Data Sheet for this product.

Do not get on skin, in eyes, or on clothing. Wear goggles or face shield and protective clothing such as long sleeved cotton shirt, long pants, and rubber gloves when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Avoid breathing of vapor or spray mist. In case of spillage, absorb and dispose of in accordance with local applicable regulations. Do not take internally.

**KEEP OUT OF REACH OF CHILDREN.**

Use with adequate ventilation during application and drying. In tanks and other confined areas, use only with adequate forced air ventilation to prevent dangerous concentrations of vapors which could cause death from explosion or from breathing. When product is used in confined areas or applied by spraying, wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (U.S. Bureau of Mines) and the National Institute for Occupational Safety and Health under the provisions of 30CFR 11. Prevent flames, sparks, welding and smoking.

**ENVIRONMENTAL HAZARDS:**

This material is toxic to fish. Do not apply directly to water by cleaning of equipment or disposal of wastes. Do not allow chips and dust generated during the paint removal to enter water. Dispose of paint debris in an approved landfill.

**PHYSICAL OR CHEMICAL HAZARDS:**

Combustible. Do not use or store near heat or open flame.

**FIRST AID:** In case of skin contact, wash thoroughly with soap and water. For eyes, flush immediately with plenty of water for 15 minutes and call a physician. If affected by breathing of vapor, move to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution or, if these are not available, drink large quantities of water. Avoid alcohol. CALL A PHYSICIAN IMMEDIATELY.

**NOTE TO PHYSICIAN:** Probable mucosal damage, may contraindicate the use of gastric lavage.

**IN CASE OF FIRE:** Use dry chemical, foam, water, or CO<sub>2</sub>. Cool closed containers with water.

Photochemically Reactive

Koppers Company, Inc.

Pittsburgh, Pa. 15219/Irving, Texas 75060  
Los Angeles, Ca. 90040/Newark, N.J. 07114

OM: 5264R01 8209 10580

MADE IN U.S.A.

# KOPPERS

## Z-Spar Marine Coatings

TECHNICAL DATA SHEET

PRODUCT: "THE PROTECTOR" ANTI-FOULING PAINT

DESCRIPTION: Premium, hard, non-vinyl containing almost 14 pounds of 97% cuprous oxide, plus a generous amount of organotin per gallon. A blend of epoxy ester and hard resin producing a smoother, harder film than other non-vinyls.

USE: Excellent for boats with high speed capabilities, as well as slower craft that operate in heavy fouling waters. Can be applied directly over old bottom paints. Has good film strength and provides a fast bottom.

FOR MARINE USE ONLY. DO NOT APPLY TO ANY SURFACES OTHER THAN BOAT BOTTOMS. NOT INTENDED FOR USE IN THE HOME.

### TECHNICAL DATA:

Number of coats: 2 to 3

Coverage per coat: 400 sq. ft. per gallon

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

Between coats: 6 hours minimum

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

Color: B-90 Red, B-91 Blue

Thinners: T-10, or T-11 Thinner

Cleaners: T-8, T-10, 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" wipe to insure complete removal of dust.

OLD BOTTOM PAINT: After hauling the boat, allow the hull to dry of absorbed water before repainting. Over old paint apply two coats of "The Protector" 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.

**Koppers Company, Inc., Pittsburgh, Pennsylvania 15219**

TECHNICAL DATA  
(Continued):

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 "The Protector" to bare wood. 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 soap, ammonia, water, let dry, then thoroughly clean hull with Z-Spar T-1132 Fiberglass Prep Solution. Then sand with 100-220 grit sandpaper to dull and roughen the surface. Apply one coat of P-527 Primer. While the P-527 is still soft and tacky (within 2-6 hours normally), apply the first coat of "The Protector." If the P-527 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 "The Protector."

**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 B-90 "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 B-90 or B-91.

**ALUMINUM BOTTOMS:** B-90 or B-91 is not recommended for aluminum. Colortox Anti-Fouling which does not contain copper is recommended for aluminum hulls.

**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 and quarts.

**PRECAUTIONS:** Follow precautions as listed on label for B-90, B-91 - "The Protector."

Mr. Wayne A. Hartman  
Koppers Company, Inc.  
Room 1201, Koppers Building  
Pittsburgh, PA 15219

Dear Mr. Hartman:

Subject: Amendment - Label Revision  
Antifouling Paint Label Improvement Program  
Supertox Hard Type Antifouling Paint B-79 Red  
EPA Registration No. 61-162  
Supertox Hard Type Antifouling Paint B-71 Blue  
EPA Registration No. 61-163  
"The Protector" Hard Type Antifouling Paint B-90 Red  
EPA Registration No. 61-164  
"The Protector" Hard Type Antifouling Paint B-91 Blue  
EPA Registration No. 61-175  
B-60 Racing Bronze Hard Racing Type Antifouling Paint  
EPA Registration No. 61-165  
Your Submissions Dated September 28, 1962

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), is acceptable, provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
  - a. Add "This product contains petroleum distillates" or "Contains petroleum distillates" directly beneath the ingredients statement for any product containing 1% or more petroleum distillates as inert ingredients.
  - b. In the Precautionary Statements:
    - (1) Delete "Do not take internally."
    - (2) In the "respirator" statement, change "...or applied by spraying..." to "...or sanding boat surfaces..." since application directions prohibit spraying.

(3) Under "Environmental Hazards" change "Do not apply directly..." to:

"Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes."

(4) Under "Physical or Chemical Hazards":

A. Delete "combustible" for EPA Registration Nos. 61-162, 61-163 and 61-165.

B. For EPA Registration Nos. 61-164 and 61-175 use the following statement:

"Flammable. Keep away from heat and open flame."

(5) For the record, submit copies of the "Material Safety Data Sheets" for these products.

C. For products containing cuprous oxide, a "copper as metallic" expression is desirable on the labeling if the composition of the active ingredient is definite.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely yours,

Richard F. Mountfort  
Product Manager (23)  
Fungicide-Herbicide Branch  
Registration Division (TS-767)

Enclosure

RD: MOUNTFORT: DCR-24194: WANK-0526C: pjb: Raven: 479-2013: 10/5/82