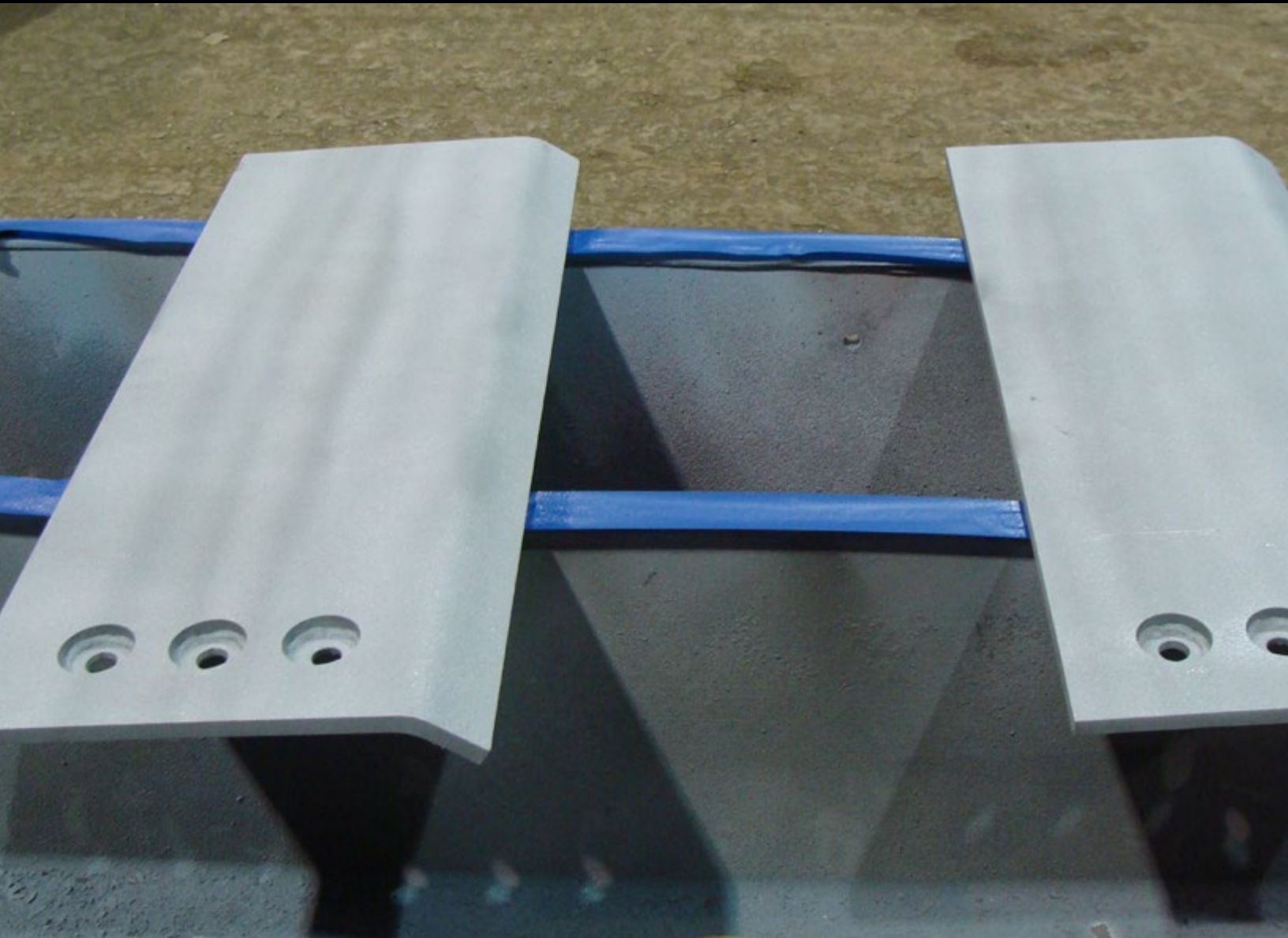


Sealer Systems

For Thermal Spray Metallizing



Carboline offers a variety of sealing systems for protection against early oxidation of thermal spray metallizing.

Epoxy sealers provide an extra layer of protection to thermal spray metallizing, while still being aesthetically pleasing with or without a suitable topcoat.

Thermal Spray Metallizing

Thermal Spray Metallizing (TSM) is increasingly being used on structures that are exposed to aggressively corrosive environments. The metallizing film provides galvanic protection similar to inorganic zincs. However, thermal spray metallizing films are more porous than inorganic zinc and in some cases require a sealer. The sealer will provide a degree of barrier protection until the metallic oxides are able to form and fill the void space in the thermal spray metallizing film. In some cases, a color other than that of the sprayed metal is desired for aesthetic purposes. For these applications, a sealer is used over the metallizing as either a single, cosmetic coat, or as part of a multi-coat topcoat system.

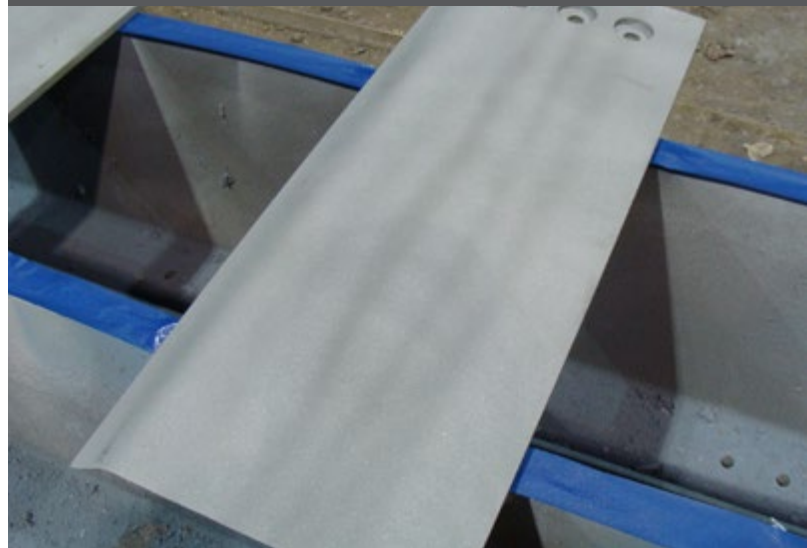
Benefits of Sealer Systems

- › Prevents early oxidation of the thermal spray metallizing
- › Provides an aesthetic color
- › Addition of a suitable topcoat provides long term color/aesthetics protection

THESE MARINE LANDING BUMPERS ARE COATED WITH THERMAL SPRAYED ALUMINUM AND SEALED WITH CARBOMASTIC 90



THESE BRIDGE EXPANSION DAM COVER PLATES ARE COATED WITH THERMAL SPRAYED ZINC AND SEALED WITH CARBOTHANE CLEAR COAT



Carboline has products ideally suited to seal and protect thermal spray metallizing.

Carboline has been using, recommending, and specifying sealers for over 25 years. Our sealers are proven to perform for the entire lifespan of thermal spray metallizing.

Sealer System Options

- > Aesthetics
- > Protection and aesthetics
- > Protections against early oxidation

Thermal Spray Metallizing Sealer Guide

THERMAL SPRAY METALLIZING	SEALER	OPTIONAL TOPCOAT TO PROVIDE LONG TERM AESTHETICS
Aesthetics	Carbothane 133 Series or Carbothane 134 Series	N/A
Protection	Carboguard 1340 FC or Carboguard 635 Series or Carbomastic 90 or Carboguard 60	N/A
Protection and Aesthetics	Carboguard 1340 FC or Carboguard 635 Series or Carbomastic 90 or Carboguard 60	Carbothane 133 Series or Carbothane 134 Series

85/15 alloy and pure aluminum types of thermal spray metallizing tend to be more porous in nature and therefore require more robust sealing system options where epoxies are advantageous.

Sealer should be applied in accordance with SSPC CS 23.00/NACE No.12 Specification for the Application of Thermal Spray Coatings (Metallizing). Consult with Carboline Technical Service for specific dry film thickness requirements for the specific products/systems.

**AT CARBOLINE WE DON'T JUST SELL YOU
WHAT IS ON THE SHELF, WE PROVIDE YOU
THE SOLUTION THAT YOU NEED.**

GLOBAL COATINGS LEADERS™

RIGHT PEOPLE • RIGHT PRODUCTS • RIGHT LOCATIONS



GLOBAL MANUFACTURING PLANTS

CARBOLINE COMPANY
GLOBAL HEADQUARTERS
2150 SCHUETZ ROAD
ST. LOUIS, MO 63146 USA
PH: +1-314-644-1000
WWW.CARBOLINE.COM

ARGENTINA – BUENOS AIRES
EINSTEIN 1095
PARQUE INDUSTRIAL OKS
GARÍN PROV. DE BUENOS
AIRES, ARGENTINA
PHONE: 54-3327-44-2222
FAX: 54-3327-44-2223

AUSTRALIA – BRISBANE
7 PRODUCTION AVE
ERNEST JUNCTION
QUEENSLAND 4214
AUSTRALIA
PHONE: +61 7 3287 0222
FAX: +61 7 5594 9093

CANADA – ONTARIO
420 TAPSCOTT ROAD UNIT 5
SCARBOROUGH, ONTARIO
M1B 1Y4, CANADA
PHONE: 416-292-2361
FAX: 416-298-5887

CHINA – DALIAN
HOU SHI CUN, DA WEI JIA
ZHEN
JIN ZHOU DISTRICT
DALIAN, CHINA 116110
PHONE: 86-411-8789-8441,
8442, 8443, 8444
FAX: 86-411-8789-8445

INDIA – CHENNAI
NO. 356 & 357 SIDCO
INDUSTRIAL ESTATE
AMBATTUR,
CHENNAI 600 098
INDIA
PHONE: 91-22-28500321
FAX: 91-22-28500323

INDIA – MAHARASHTRA
GUT NO. 300
VILLAGE MUSSARNE
BHIWANDI WADA ROAD,
TALUKA WADA,
DISTRICT PALGHAR,
MAHARASHTRA
INDIA

INDONESIA – JAKARTA
MENARA SATU, BULEVAR
KELAPA GADING LA3 NO.1,
7FL, SUITE 706.
KELAPA GADING PERMAI,
JAKARTA 1420
INDONESIA
PHONE: +62 21 29375692
PHONE: +62 21 29375693
FAX: +62 21 29375696

ITALY – ALGHERO
VIA MILANO 150
20093 COLOGNO MONZESE
(MI), ITALY
PHONE: 3902-25 3751
FAX: 3902-25 37560

JAPAN – AMAGASAKI
TERAMOTO UNYU SOKO CO.,
LTD 17
MINAMIHATSUSHIMA-CHO,
AMAGASAKI, 660-0833 JAPAN
PHONE: 81-3-3643-4501
FAX: 81-3-3643-2951

MALAYSIA – KUALA LUMPUR
LOT 37631-37632 JALAN 6/37A
TAMAN BUKIT MALURI
INDUSTRIAL AREA
KEPONG 52100,
KUALA LUMPUR, MALAYSIA
PHONE: 603-6277-9575
FAX: 603-6277-4645

NEW ZEALAND – TAURANGA
91-111 OROPI ROAD
GREERTON
TAURANGA
NEW ZEALAND
PHONE: +64 7 5411 221
FAX: +64 7 541 1310

NORWAY – LIERSTRANDA
P.O. BOX 593
3412 LIERSTRANDA, NORWAY
PHONE: 47-32-857300
FAX: 47-32-857301

PUERTO RICO – SAN LORENZO
URB. APONTE #5
SAN LORENZO, PUERTO RICO
00754
PHONE: 787-736-4221
FAX: 787-736-53133

SAUDI ARABIA – DAMMAM
1ST INDUSTRY CITY, 28TH
STREET
P.O. BOX 1050
DAMMAM 31431,
KINGDOM OF SAUDI ARABIA
PHONE: +966 3 847 3044
FAX: +966 3 847 3689

SOUTH AFRICA – JOHANNESBURG
8 CRESSET ROAD
MIDRAND INDUSTRIAL PARK
JOHANNESBURG,
SOUTH AFRICA
PHONE: 27-11-2545500
FAX: 27-11-310-2872

SOUTH KOREA – BUSAN
43-1, JINYOUNG-RI
JINYOUNG-EUB
KIMHAE-CITY, 621-800
KYOUNGSANGNAMDO, KOREA
PHONE: 82-55-343-6441/5
FAX: 82-55-343-6414

THAILAND – BANGKOK
1/11 BANGCHAN INDUSTRIAL
ESTATE
SOI-SERI-THAI 54,
KANNAYAO, BANGKOK 10230
PHONE: +662 906 3042-3
FAX: +662 906 3044

TURKEY – BURSA
ALI OSMAN SONMES CAD.
NO:4
BURSA, DOSAB 16369 TURKEY
PHONE: 90-224-261-0537

UAE – DUBAI
P.O. BOX 3034
DUBAI, UAE
PHONE: 971-4-347-0460
FAX: 971-4-347-0242

USA – DAYTON
95 AIRPARK VISTA BLVD.
DAYTON, NV 89403
PHONE: 775-246-0760
FAX: 775-246-0763

USA – GREEN BAY
614 ELIZABETH ST
GREEN BAY, WI 54302
PHONE: 920-437-6561
FAX: 920-437-8546

USA – LAKE CHARLES
900 OPELOUSAS STREET
LAKE CHARLES, LA 70601
PHONE: 337-433-0605
FAX: 337-439-0380

USA – LOUISA
321 DUKE ST.
LOUISA VA 23093
PHONE: 540-967-5119
FAX: 540-967-5120

VENEZUELA – VALENCIA
URBANIZACION INDUSTRIAL
"EL TIGRE"
AVENIDA PRINCIPAL
GALPON "H"
VALENCIA EDO. CARABOBO
VENEZUELA
PHONE: 58-245-4000400
FAX: 58-245-5642011

