



Protective & Marine

Bridge & Highway Selection Guide

STEEL

CONCRETE



COATING SYSTEMS FOR STEEL BRIDGES & HIGHWAY STRUCTURES

Inorganic Zinc-Rich Primer Systems

Areas of Application

- Steel

Recommended Applications

- New Construction
- Repaint

See Product Data pages for additional information.



Inorganic Zinc (IOZ) Rich Primer Systems	Prime Coat	Dry Film Thickness (Mils)	Second Coat	Dry Film Thickness (Mils)	Third Coat	Dry Film Thickness (Mils)	Total Dry Mils	Comments
IOZ/Epoxy/Urethane	Zinc Clad® II Plus B69VZ12/VZ15	2-4 mils	Macropoxy® 646 B58-600	3-6 mils	Acrolon® 218 HS B65-600, 650	3-5 mils	8-15 mils	Va., Fla., Ky., Mich., Minn., Wis., Ill., Mo.
IOZ/Epoxy/Urethane	Zinc Clad II Plus B69VZ12/VZ15	2-4 mils	Macropoxy 646 B58-600	3-6 mils	Hi-Solids Polyurethane B65-300,350 B65J-300	3-5 mils	8-15 mils	Va., Fla., Ky., Minn.
IOZ/Polysiloxane	Zinc Clad II Plus B69VZ12/VZ15	2-4 mils	N/A	N/A	Sher-Loxane® 800 B80-501	4-6 mils	6-10 mils	AASHTO (Formerly NTPEP) Tested
IOZ/Acrylic/Acrylic	Zinc Clad II Plus B69VZ12/VZ15	2-4 mils	Pro Industrial™ DTM Acrylic B66-100, 200	3-4 mils	Pro Industrial DTM Acrylic B66-100, 200	3-4 mils	8-12 mils	W.Va., Fla., Ala., Kan., Iowa, Texas
IOZ/ HB Acrylic	Zinc Clad II Plus B69VZ12/VZ15	2-4 mils	N/A	N/A	Fast-Clad® HB Acrylic B66-410	6-8 mils	8-12 mils	W.Va., Texas

Caulking – Sherwin-Williams Loxon S1 and Loxon H1 caulks are compatible with all steel bridge paint systems. Caulk shall be installed after intermediate coat and prior to finish coat or after finish coat. Please consult Loxon S1 and Loxon H1 Product Data Sheets for instructions.

**Note: Other systems, not listed above, may also be used. Owner specifications (DOT or Entity) should be reviewed and verified per the appropriate QPL. Contact Sherwin-Williams representative for recommendation.



COATING SYSTEMS FOR STEEL BRIDGES & HIGHWAY STRUCTURES

Organic Zinc-Rich Primer Systems

Areas of Application

- Steel

Recommended Applications

- New Construction
- Repaint

See Product Data pages for additional information.



Organic Zinc (OZ) Rich Primer Systems	Prime Coat	Dry Film Thickness (Mils)	Second Coat	Dry Film Thickness (Mils)	Third Coat	Dry Film Thickness (Mils)	Total Dry Mils	Comments
OZ/Epoxy/Urethane	Zinc Clad® 4100 B69-120	3-5 mils	Macropoxy® 646 B58-600	3-10 mils	Acrolon® 218 HS B65-600,650	3-6 mils	9-21 mils	NEPCOAT List B
OZ/ Epoxy/Urethane	Zinc Clad 4100 B69-120	3-5 mils	Macropoxy 646 B58-600	3-10 mils	Hi-Solids Polyurethane 250 B65J-300	3-5 mils	9-20 mils	NEPCOAT List B
OZ/Polysiloxane	Zinc Clad 4100 B69-120	3-5 mils	N/A	N/A	Sher-Loxane® 800 B80-501	4-6 mils	7-11 mils	AASHTO (Formerly NTPEP) Tested
OZ/Polyaspartic	Zinc Clad 4100 B69-120	3-5 mils	N/A	N/A	Envirolastic® 940LV B65-730	6-9 mils	9-14 mils	MD
OZ/Acrylic	Zinc Clad 4100 B69-120	3-5 mils	Pro Industrial™ DTM Acrylic B66-100, 200	3-4 mils	Pro Industrial DTM Acrylic B66-100, 200	3-4 mils	9-13 mils	
OZ/Acrylic	Zinc Clad 4100 B69-120	3-5 mils	N/A	N/A	Fast-Clad® HB Acrylic B66-410	6-8 mils	9-13 mils	
MCU	Corothane® 1 GalvaPac Zinc Primer 1K or 2K B65G10, B65G11	3-4 mils	Corothane 1 IronOx B B65A11	3-5 mils	Corothane 1 IronOx A HS B65A55	2.5-3.5 mils	8.5-12.5 mils	WA

Caulking — Sherwin-Williams Loxon S1 and Loxon H1 Caulks are compatible with all steel bridge paint systems. Caulk shall be installed after intermediate coat and prior to finish coat or after finish coat. Please consult Loxon S1 and Loxon H1 Product Data Sheets for instructions.

**Note: Other systems, not listed above, may also be used. Owner specifications (DOT or Entity) should be reviewed and verified per the appropriate QPL. Contact Sherwin-Williams representative for recommendation.



COATING SYSTEMS FOR CONCRETE BRIDGES & HIGHWAY STRUCTURES

Concrete Coatings Systems

Areas of Application

- Concrete

Recommended Applications

- New Construction
- Repaint

See Product Data pages for additional information.



Systems	Prime Coat	Sq Ft/Gal	Second Coat	Sq Ft/Gal	Optional Primer	Optional Anti-Graffiti Coating	Sq Ft/Gal	Comments
Epoxy/Urethane	Macropoxy® 646 B58-600	116-232	Acrolon® 218 B65-600, 650	175-346	N/A	B65-190, 195 B97C150 B65-T105,115	204-408 128-192 545-1090	24 hrs dry before Anti-Graffiti Coating
Stains	DOT Sealer B97-10, 12	180-300	DOT Sealer B97-10, 12	180-300	N/A		128-192	N/A
	DOT WB - Heavy Stain B97-300 Series	225-350	DOT WB - Heavy Stain B97-300 Series	225-350	N/A	B65-190, 195 B97C150 B65CJ2000	204-408 128-192 265-400	24 hrs dry before Anti-Graffiti Coating
Texture Coating Smooth, Fine, Medium Textures	Concrete Texture Coating B97-100 Series	45-100	Concrete Texture Coating B97-100 Series	45-100	Loxon Acrylic Primer A24W8300	B65-190, 195 B97C150 B65CJ2000	204-408 128-192 265-400	24 hrs dry before Anti-Graffiti Coating
Acrylic/Elastomeric	Loxon XP LX11-50 Series	90-115	Loxon XP LX11-50 Series	90-115	N/A	B65-190, 195 B97C150 B65CJ2000	204-408 128-192 265-400	24 hrs dry before Anti-Graffiti Coating
Rebar Coatings	Sher-Bar™ Green Fusion Bonded Epoxy				N/A	N/A		Sher-Bar™ Touch Up Epoxy A-775 EEG0034/ CEC0091
	Sher-Bar Green Fusion Bonded Epoxy		Sher-Bar™ TEC Textured Epoxy Coating A1124		N/A	N/A		Sher-Bar Touch Up Epoxy A-775 EEG0034/ CEC0091

**Note: Other systems, not listed above, may also be used. Owner specifications (DOT or Entity) should be reviewed and verified per the appropriate QPL. Contact Sherwin-Williams representative for recommendation.