

COATING SYSTEMS FOR TRAFFIC AND INFRASTRUCTURE CONSTRUCTIONS

ACCORDING TO RVS 15.05.11 AND RVS 08.09.02
ADDITIONALLY ZTV-ING PART 4 SECTION 5
AND ZTV-ING PART 7 SECTION 4 AND 5

INCL. MATERIAL NUMBER OVERVIEW



CONTENT

SYSTEMS ACCORDING TO RVS

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S9B	Ballast trough coatings	Coating (sprayable): Primer: Solvent based Top coat: Solvent free	
S9C	Pavements and cycling tracks, curb protection (thin coatings on steel)	Coating (trowelable): Primer: Solvent based	
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S15	Atmospheric steel constructions	Coating: Very high solid	
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Abbreviation:

MPC Mechanical protective coating including coating that comes into contact with concrete

APPROVED COATINGS

Material-number overview

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SYSTEMS ACCORDING TO ZTV-ING

Part 4
Section 5 Coatings for full locked coil ropes and cables

Part 6
Section 4
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Part 6
Section 5
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Important notice:

Following the transfer of the Industrial Coatings business from Sika to Sherwin- Williams on 1st April 2022, our entire product portfolio had to be rebranded in accordance with the Sherwin-Williams brand as of 1st July 2023.

Detailed information on product naming and a holistic overview of all old and new product names can be found in our new Product Reference Guide.

Download the brochure now at:

protectiveeu.sherwin-williams.com



**RVS
S4**
**COMPOSITE COMPONENTS
CONCRETE-CONTACT SURFACES**

Substrate	Type of coating	Product	Material-No.	DFT (µm)
Steel	Primer	Zinc Clad® R Plus	1	70
	Top coat	Dura-Plate® SW-501	7	500

**RVS
S9A**
BALLAST TROUGH COATINGS (TROWELABLE)

Substrate	Type of coating	Product	Material-No.	DFT (µm)
Steel	Primer	Macropoxy® HM Primer Plus (optional)	-	80
	Top coat	Elastomastic™ TFN (unfilled or filled + broadcasted with quartz sand 0.4-0.7 mm)	5a	2000-4000

**RVS
S9B**
BALLAST TROUGH COATINGS (SPRAYABLE)

Substrate	Type of coating	Product	Material-No.	DFT (µm)
Steel	Primer	Macropoxy® HM Primer Plus (optional)	-	80
	Top coat	Elastomastic™ Airless	5b	2000-4000

**RVS
S9C**
**PAVEMENTS AND CYCLING TRACKS, CURB PROTECTION
(THIN COATINGS ON STEEL)**

Substrate	Type of coating	Product	Material-No.	DFT (µm)
Steel	Primer	Macropoxy® HM Primer Plus (optional)	-	80
	Top coat	Elastomastic™ TFN (filled + broadcasted with quartz sand 0.7-1.2 mm)	5c	3000-6000

STEEL CONSTRUCTIONS

Substrate	Type of coating	Product	Material-No.	DFT (µm)
Steel	Primer	Zinc Clad® R Plus	1	70
	Coating for friction surfaces	Remosil OM 101	8	40-80
	MPC (optional)	Dura-Plate® SW-501	7	500
	Intermediate coat	Macropoxy® EG-1 VHS N	14	120
	1. Top coat	Acrolon® 300 VHS	15	80
	Edge protection	Acrolon® 300 VHS	15	80
	Joint sealant	Sikaflex® 11 FC Purform®	9	-
	2. Top coat	Acrolon® 300 VHS	15	80
	Design painting (optional)	Acrolon® EG-5	11	60-80

ATMOSPHERIC STEEL CONSTRUCTIONS

Substrate	Type of coating	Product	Material-No.	DFT (µm)
Steel	Primer	Zinc Clad® R Plus	1	60
	Coating for friction surfaces	Remosil OM 101	8	40-80
	MPC (optional)	Dura-Plate® SW-501	7	500
	Intermediate coat	Macropoxy® EG-1 VHS N	14	100
	1. Top coat	Acrolon® 300 VHS	15	80
	Edge protection	Acrolon® 300 VHS	15	80
	Joint sealant	Sikaflex® 11 FC Purform®	9	-
	2. Top coat	Acrolon® 300 VHS	15	80
	Design painting (optional)	Acrolon® EG-5	11	60-80

BEARINGS AND ROAD CROSSING CONSTRUCTIONS

Substrate	Type of coating	Product	Material-No.	DFT (µm)
Steel	Primer	Zinc Clad® R Plus	1	70
	Coating for friction surfaces	Remosil OM 101	8	40-80
	MPC (optional)	Dura-Plate® SW-501	7	500
	Intermediate coat	Macropoxy® EG-1 VHS N	14	120
	1. Top coat	Acrolon® 300 VHS	15	80
	Edge protection	Acrolon® 300 VHS	15	80
	Joint sealant	Sikaflex® 11 FC Purform®	9	-
	2. Top coat	Acrolon® 300 VHS	15	80
	Design painting (optional)	Acrolon® EG-5	11	60-80

BEARINGS AND ROAD CROSSING CONSTRUCTIONS

Substrate	Type of coating	Product	Material-No.	DFT (µm)
Thermal zinc sprayed coated steel	Sealer	Zinc Clad® R Plus	1	20
	Primer	Macropoxy® EG-1 Plus	4	80
	MPC (optional)	Dura-Plate® SW-501	7	500
	1. Top coat	Acrolon® 300 VHS	15	80
	2. Top coat	Acrolon® 300 VHS	15	80
	Design painting (optional)	Acrolon® EG-5	11	60-80

**EQUIPMENT PARTS
(RAILINGS, LIGHTWEIGHT CONSTRUCTIONS)**

Substrate	Type of coating	Product	Material-No.	DFT (µm)
Galvanized steel	Primer	Macropoxy® EG-1 Plus	4	60
	MPC (optional)	Dura-Plate® SW-501	7	500
	1. Top coat	Acrolon® 300 VHS	15	80
	Joint sealant	Sikaflex® 11 FC Purform®	9	-
	2. Top coat	Acrolon® 300 VHS	15	80
	Design painting (optional)	Acrolon® EG-5	11	60-80

**ROLLED BEAMS IN CONCRETE
CONCRETE TOUCHED SURFACES**

Substrate	Type of coating	Product	Material-No.	DFT (µm)
Steel	Primer	Zinc Clad® R Plus	1	70
	Intermediate coat	Macropoxy® EG-1 VHS N	14	120
	1. Top coat	Acrolon® 300 VHS	15	80
	Edge protection	Acrolon® 300 VHS	15	80
	Joint sealant	Sikaflex 11 FC Purform®	9	-
	2. Top coat	Acrolon® 300 VHS	15	80
	Design painting (optional)	Acrolon® EG-5	11	60-80

APPROVED COATINGS - MATERIAL-NO. OVERVIEW

Material-No.	Product	Description	Color shades	Comment
1	Zinc Clad® R Plus	Primer: 2-pack epoxy Zinc-Rich, solvent based	zinc grey tinted red	
4	Macropoxy® EG-1 Plus	Intermediate coat: 2-pack epoxy, micaceous iron oxide, solvent based	DB 702 DB 703 DB 601	
5a/b/c Primer	Macropoxy® HM Primer Plus	Primer: 2-pack epoxy, micaceous iron oxide, solvent based	DB 702	optional primer for S9A, S9B and S9C
5a/c	Elastomastic™ TFN	Top coat: Epoxypolyurethane, solvent free	dust grey	
5b	Elastomastic™ Airless	Top coat: Polyurethane solvent free	dust grey	
7	Dura-Plate® SW-501	Mechanical protective coating: 2-pack epoxy, solvent free	black, red-brown, grey, light grey	
8	Remosil OM 101	Coating for friction connections: 1-pack zinc ethyl silicate solvent based	zinc grey	
9	Sikaflex® 11 FC Purform®	Joint sealant: 1-pack polyurethane, solvent free	white, light grey, concrete grey, black	
11	Acrolon® EG-5	Design coat: 2-pack polyurethane, solvent based	RAL and NCS color shades	
14	Macropoxy® EG-1 VHS N	Intermediate coat: 2-pack epoxy, micaceous iron oxide, very high solid	DB 702 DB 703 DB 601	
15	Acrolon® 300 VHS	Top coat: 2-pack polyurethane, micaceous iron oxide, very high solid	MIO color shades acc. TL/TP-KOR-Stahlbauten appendix H	

CORROSION PROTECTION FOR CABLES AND ROPES

Substrate	Type of coating	Product	DFT (μm)
Steel	Primer	SherCor™ Cable Primer Plus	2 x 50
	Intermediate coat	SherCor™ Cable Top-1	2-3 x 150
	Top coat	SherCor™ Cable Top-2	60
	Primer	Sika® Cable PUR Primer	2 x 50
	Intermediate coat	Sika® Cable PUR Filler	2-3 x 150
	Top coat	SherCor™ Cable Top-2	60
Galvanized steel	Primer	SherCor™ Cable Primer Plus	50
	Intermediate coat	SherCor™ Cable Top-1	2-3 x 150
	Top coat	SherCor™ Cable Top-2	60
	Primer	Sika® Cable PUR Primer	50
	Intermediate coat	Sika® Cable PUR Filler	2-3 x 150
	Top coat	SherCor™ Cable Top-2	60
Sealant and injection resin	2-pack PU sealant	SherCor™ Cable Flex-1	
	2-pack PU injection resin	SherCor™ Cable Flex-2	

WATERPROOFING SYSTEM UNDER MASTIC ASPHALT

Substrate	Type of coating	Product	DFT (μm)
Steel	Primer	Macopoxy® HM Primer Plus	80
	Adhesive layer	Macopoxy® HM Mastic	1000
	Tack layer	Sikalastic®-827 HT	0.8 - 1.0 kg/m ²

PROTECTION OF ROAD COVER PLATES

System	Type of coating	Product	DFT (μm)
Road surface	Primer	Macopoxy® HM Primer Plus	80
	Top coat	Elastomastic™ TFN (filled + broadcasted with Durop 2-3 mm)	6-10 mm

OUR COMPETENCE

CORROSION AND FIRE PROTECTION - PROVEN AND INNOVATIVE COATINGS

At Sherwin-Williams Protective & Marine, we develop, produce and sell corrosion and fire protection coating systems with the aim of protecting buildings and preserving values worldwide. With world-class industry subject matter expertise, unparalleled technical and specification service and unmatched regional commercial team support to our customers around the globe, we offer high-performance coating systems to help customers achieve smarter, time-tested asset protection.

We serve a wide array of markets across our rapidly growing international distribution footprint, including:

- Steel structures
- Hydraulic steel structures
- Infrastructure
- Wind energy
- Tank protection and chemistry
- Power supply
- Fire protection for steel, wood and concrete

Learn more about our solutions at
protectiveeu.sherwin-williams.com



COATING SYSTEMS FOR TRAFFIC AND INFRASTRUCTURE CONSTRUCTIONS

THE SHERWIN-WILLIAMS DIFFERENCE

Sherwin-Williams Protective & Marine delivers world-class industry subject matter expertise, unparalleled technical and specification service, and unmatched regional commercial team support to our customers around the globe. Our broad portfolio of high-performance coatings and systems - including protective liquid and powder, fire protection and resinous flooring - excel at combating corrosion and help customers achieve smarter, time-tested asset protection. We serve a wide array of markets across our rapidly growing international distribution footprint, including Bridge & Highway, Energy, High Value Infrastructure, Manufacturing & Processing, Marine, Rail, Power and Water & Wastewater.

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