

ADDING VALUE FOR YOU

SHERWIN-WILLIAMS PLUS TECHNOLOGY



PLUS TECHNOLOGY – MORE THAN JUST SAVING COST!

EFFICIENT – ECONOMIC – HIGH PERFORMANCE – SUSTAINABLE

These keywords stand for our Plus Technology, anchored in various products and systems. Besides reducing material costs per square meter and the associated cost reduction, time-saving is another added value.

Process sequences can be accelerated during the application thanks to faster drying times. At the same time, fewer pails are mixed, and storage space is reduced

In addition, the higher yield reduces disposal costs, as fewer pails are required to coat the same area. The proportion of volatile organic compounds (VOC) per square meter is also lower.



COST REDUCTION

Cost saving is the key decision criterion for buyers. At first glance, it looks more expensive due to the higher price per kg, but the higher yield results in:

- Reduced cost per m²



INCREASED EFFICIENCY

Users benefit from this innovative Plus Technology through higher efficiency in the applicators coating timescales:

- Less storage space required
- Less pails to be mixed
- Reduced drying times



MORE SUSTAINABLE

The key aspects of sustainability are, besides the performance of corrosion protection, of particular relevance for planners and applicators:

- Reduction of waste
- Reduced VOC per m²
- Energy saving
- Conservation of resources
- CO₂ reduction



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



ACROLON® PUR COLOR PLUS DIRECT TO METAL COATING

The direct use on steel with top coat quality at the same time make Acrolon® PUR Color Plus as a single-layer coating to the ideal solution for steel construction in low corrosivity categories up to C3 high. It can be applied at a range of thicknesses in a single application without the risk of sagging. The product is even more economical due to the Plus Technology which results in a higher yield.

- Silk-matt, colored protective coating based on polyurethane with zinc phosphate as an active anti-corrosion pigment
- Particularly suitable for application in shop directly to metal and all kinds of steel structures, e.g. steel halls and industrial plant constructions
- Colored, robust, fast-curing corrosion protection for steel constructions with a protection requirement of C2 or C3 with a durability of 15 - 25 years
- Nominal dry film thicknesses from 80 - 180 µm in a single application

DIRECT TO METAL COATING BASED ON 2-PACK POLYURETHANE

NDFT = 80 µm

	Previous product Acrolon® PUR Color NEU	Acrolon® PUR Color Plus
Solids vol.- %	56	65
Solids wt.- %	73	75
WFT µm	145	123
Consumption kg/m ²	0.200	0.148
VOC g/m ²	54	37

26 %
lower
consumption

~ 30 %
less VOC
per m²

10 %
faster
drying

All figures quoted are theoretical values.

Acrolon® PUR Color NEU Surface: Steel Sa 2½



75 %



Acrolon® PUR Color Plus Surface: Steel Sa 2½

100 %



~ 26 %
more area
per container



EG-SYSTEM PLUS BLATT 87

Two innovative coating materials now enhance our product range that is tested and approved according to TL/TP KOR-Stahlbauten. After 30 years of experience with our Blatt 87 systems, we present the successor system according to Blatt 87: efficient, economical, more sustainable and better performance.

ZINC-RICH PRIMER

NDFT = 80 µm

	Zinc Clad® R	Zinc Clad® R Plus
Solids vol.- %	67	71
Solids wt.- %	89	89
WFT µm	119	113
Consumption kg/m²	0.346	0.259
VOC g/m²	38	29

~ 25 % lower consumption	~ 25 % less VOC per m²	10 - 30 % fewer pails*
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MICACEOUS IRON OXIDE INTERMEDIATE AND TOP COAT

NDFT = 80 µm

	Previous product Macropoxy® EG-1	Macropoxy® EG-1 Plus
Solids vol.- %	60	69
Solids wt.- %	77	81
WFT µm	135	116
Consumption kg/m²	0.215	0.174
VOC g/m²	49	33

~ 18 % lower consumption	~ 33 % less VOC per m²	~ 20 % fewer pails*
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All figures quoted are theoretical values.

* Saving depends on the chosen pail size.

THE EG-SYSTEM PLUS IN COMPARISON

	PREVIOUS SYSTEM ACCORDING TO BLATT 87	EG-SYSTEM PLUS
PRIMER:	Zinc Clad® R	Zinc Clad® R Plus
NDFT µm	80	80
WFT µm	119	113
Consumption kg/m²	0.35	0.26
VOC g/m²	38	29
INTERMEDIATE COAT:	2 x Macropoxy® EG-1	2 x Macropoxy® EG-1 Plus
NDFT µm	80	80
WFT µm	133	116
Consumption kg/m²	0.21	0.17
VOC g/m²	49	33
TOP COAT:	Acrolon® EG-4	Acrolon® EG-4
NDFT µm	80	80
WFT µm	145	145
Consumption kg/m²	0.20	0.20
VOC g/m²	61	61

YOUR EG SYSTEM PLUS ADVANTAGES



EG-SYSTEM RAPID PLUS C5 VERY HIGH

Our high-performance Plus coating materials can be used for corrosion protection requirements according to DIN EN ISO 12944 in very corrosive environments (C5). Our systems meet the highest corrosion protection requirements, even with a durability of more than 25 years.

ZINC-RICH PRIMER

NDFT = 80 µm

	Zinc Clad® R Rapid	Zinc Clad® R Rapid Plus
Solids vol.- %	63	69
Solids wt.- %	88	88
WFT µm	127	116
Consumption kg/m ²	0.368	0.267
VOC g/m ²	44	32

~ 27 % lower consumption	~ 27 % less VOC per m²	10 – 35 % fewer pails*
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MICACEOUS IRON OXIDE INTERMEDIATE COATING

NDFT = 80 µm

	Previous product Macropoxy® EG-1 Rapid	Macropoxy® EG-1 Rapid Plus
Solids vol.- %	56	66
Solids wt.- %	77	80
WFT µm	148	121
Consumption kg/m ²	0.229	0.182
VOC g/m ²	53	36

~ 27 % lower consumption	~ 32 % less VOC per m²	~ 20 % fewer pails*
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All figures quoted are theoretical values.

* Saving depends on the chosen pail size.

THE EG-SYSTEM RAPID PLUS IN COMPARISON

	EG-SYSTEM RAPID	EG-SYSTEM RAPID PLUS
PRIMER:	Zinc Clad® R Rapid	Zinc Clad® R Rapid Plus
NDFT µm	80	80
WFT µm	119	113
Consumption kg/m ²	0.35	0.26
VOC g/m ²	38	29
INTERMEDIATE COAT:	2 x Macropoxy® EG-1 Rapid	2 x Macropoxy® EG-1 Rapid Plus
NDFT µm	80	80
WFT µm	133	116
Consumption kg/m ²	0.21	0.17
VOC g/m ²	49	33
TOP COAT:	Acrolon® EG-4	Acrolon® EG-4
NDFT µm	80	80
WFT µm	145	145
Consumption kg/m ²	0.20	0.20
VOC g/m ²	61	61

YOUR PLUS ADVANTAGES



All figures quoted are theoretical values.

* Saving depends on the chosen pail size.

TESTIMONIALS



Plauen Stahltechnologie GmbH

Railway bridge, Schönerlinder Straße, Berlin BLATT 87 – EG SYSTEM PLUS

We have had positive experiences with the application of the new primer Zinc Clad® R Plus. We found an improved yield compared to the standard product. The mixing process is easy and comparable to the previous version.

The improved drying time and curing properties of the Plus products have a positive effect on the overcoating intervals during application process. In addition, the risk of runs is reduced due to the higher sag resistance and the application of too thin layers can be avoided more easily. Standard equipment used in coating facilities can be used to provide a great result.

Thomas Groß, Supervisor corrosion protection and shipment, Frosio Inspektor Level 3



Coating system:
Primer: **Zinc Clad® R Plus**
Edge protection: **Macropoxy® EG Phosphate N**
Intermediate coat: **2x Macropoxy® EG-1 Plus**
Top coat: **Acrolon® EG-4**



Lausitzer Stahlbau Ruhland GmbH

Project 'Kesselhaus', Industrial Park Höchst, Frankfurt A.M. ACROLON® PUR COLOR PLUS

After appropriate application recommendations provided by Sherwin-Williams, the painters were able to apply the new Plus product without any problems. If applied by airless spray and with the recommended tip size, Acrolon® PUR Color Plus can be applied just as easily as all other Sherwin-Williams products. Even during the mixing process, we could not detect any difference compared to other Sherwin-Williams anti-corrosion products.

Acrolon® PUR Color Plus has a faster drying time, compared to its predecessor, which gives us advantages. We can pack our steel elements faster and thereby increase productivity, since our spray booth can be reused for new parts more quickly. It is also positive to mention that our material consumption has decreased, since we must apply lower wet film thicknesses with Acrolon® PUR Color Plus to achieve the same dry film thickness as with Macropoxy® PUR Color NEW.

Sven Seidel, Shift supervisor, Frosio Inspektor Level 3



Coating system:
Primer: **Macropoxy® EG Phosphate Rapid**
Top coat: **Acrolon® PUR Color Plus**

FURTHER INFORMATION

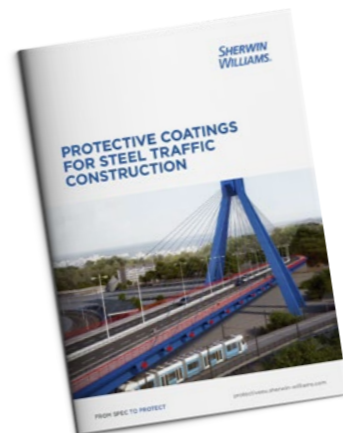
CORROSION PROTECTIVE COATINGS FOR STEEL STRUCTURES

More about our corrosion protection systems according to DIN EN ISO 12944 can be found in the brochure: 'Corrosion protective coatings for steel structures'.



PROTECTIVE COATINGS FOR TRAFFIC CONSTRUCTIONS MADE OF STEEL

You can find out more about our approved systems for bridges and other infrastructure structures in the brochure: 'Protective Coatings for traffic constructions made of steel'.



Download the brochures now at:
protectiveeu.sherwin-williams.com

SHERWIN-WILLIAMS PROTECTIVE & MARINE

Sherwin-Williams Protective & Marine develops, produces and sells high-quality coatings for corrosion and fire protection. We can look back on a long and successful story with numerous innovations.

APPLICATION AREAS

CORROSION PROTECTION			FIRE PROTECTION
TRAFFIC CONSTRUCTION  <ul style="list-style-type: none"> • Motorway bridge / road bridge • Railway bridge • Suspension bridge • Walkway 	STEEL STRUCTURES  <ul style="list-style-type: none"> • Sport facilities • Centers for culture and events • Airports • Railway stations 	HYDRAULIC STEEL STRUCTURES  <ul style="list-style-type: none"> • Waterways • Port facilities • Flood protection • Steel sheet piles 	FOR STEEL  <ul style="list-style-type: none"> • Solvent-free systems • Water-based systems • Solvent-based systems
TANK PROTECTION  <ul style="list-style-type: none"> • Tanks • Silos and vessels • Pipeworks • Secondary containment 	CHEMISTRY AND INDUSTRY  <ul style="list-style-type: none"> • Mineral oil industry • Plants in atmospheric conditions • Refineries 	POWER SUPPLY  <ul style="list-style-type: none"> • Power stations • Pipelines • Wind energy • Mast coatings 	FOR WOOD AND CONCRETE  <ul style="list-style-type: none"> • Water-based products for interior use

Innovative products combined with high economic efficiency contribute to social responsibility and ecological and social awareness. The use of modern, high-quality coating materials with a low VOC content, optimum processing properties, and long durability is the guarantee that Sherwin-Williams Protective & Marine fulfils in a wide variety of application areas.

OUR QUALITY PROMISE

Thanks to advanced technologies, exceptional service and decades of experience, Sherwin-Williams Protective & Marine Coatings is a reliable partner for corrosion protection coatings in steel construction.

Our competent sales team, our specialized application technology, the experienced experts in product management, our innovative development department, as well as the production team all contribute to our quality promise.



INSTRUCTION ON-SITE
during the coating works on request

Within the framework of control areas carrying out
SURFACE CHECKS

Consultation and sale by our experts,
tested as
**FROSIO INSPECTOR
LEVEL III**

**INDIVIDUAL
CONSULTATION**
in the choice of the optimal
coating system

ADDING VALUE FOR YOU

SHERWIN-WILLIAMS PLUS TECHNOLOGY

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.

SHERWIN-WILLIAMS®

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