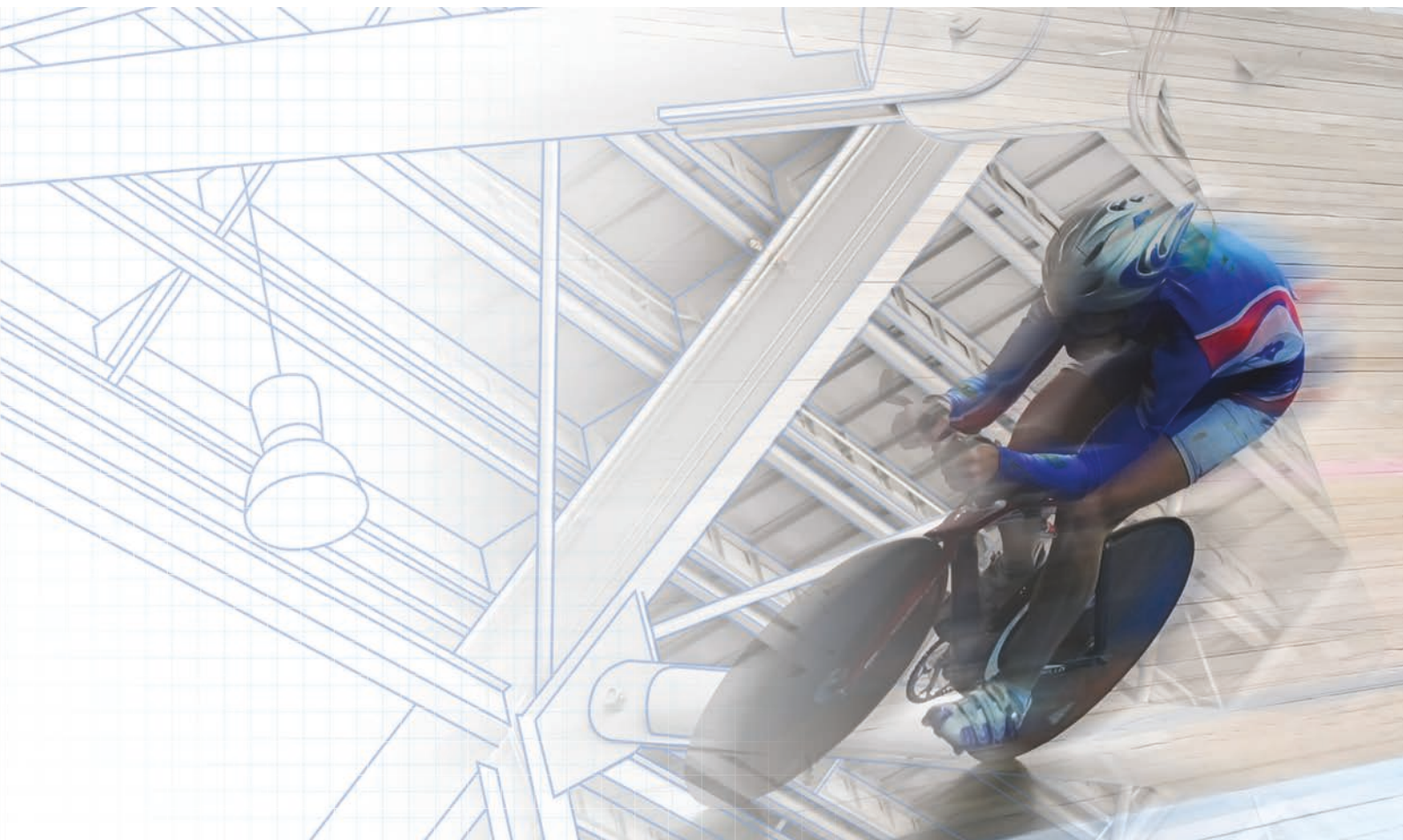


**SHERWIN  
WILLIAMS®**

# ENVIROLASTIC® 2500

NEXT GENERATION  
POLYASPARTIC TECHNOLOGY



FROM SPEC TO PROTECT

[protectiveemea.sherwin-williams.com](http://protectiveemea.sherwin-williams.com)



# ENVIROLASTIC 2500

## NEXT GENERATION POLYASPARTIC TECHNOLOGY

The advanced combination of Envirolastic 2500 product characteristics is designed to take your performance and productivity to the next level:

- Total production cost savings
- Third-party accredited performance to the latest ISO 12944:2018
- Excellent aesthetic finish and UV protection

# EXCEPTIONAL PRODUCT MEETING THE NEEDS OF THE INDUSTRY

Industrial and civil construction projects are becoming more demanding in terms of quality, durability, sustainability and aesthetics of products. This, for most structural steel fabrication shops and manufacturing plants, means that cost pressure is rising - while product delivery cycles are becoming faster and faster. Therefore productivity and efficiency - as factors of time and cost - play a paramount role in securing contracts and delivering product packages in time.

## HOW WE CAN HELP

For more than 15 years Sherwin-Williams have been developing polyaspartic technology and using the unique benefits in a range of applications to help speed up the production process. The adoption rate to this technology platform continues to increase as it benefits contractors in high-performance steel protection systems to fast return to service floor coatings.

## PROVEN PROTECTION

This next-generation technology continues to add value across the supply chain in the following ways:

### Productivity improvement

- Dry film thickness up to 225 microns in one layer with no outgassing
- C3 - One-layer "direct-to-metal" application
- C4/C5 - Two-layer application over approved primers

### Manufacturing capacity increase

- Elimination of bottle-necks in painting
- Time to handle 2 hours at 20°C, 50% RH
- Application of C3, C4 and C5 coating systems in 8-hour single shift

### Application cost reduction

- C3 - up to 50% cost/m<sup>2</sup> decrease against two-layer systems
- C4/C5 - up to 40% cost/m<sup>2</sup> decrease against three-layer systems

### Total production cost reduction

- C3 - up to 25% cost/m<sup>2</sup> decrease against two-layer systems
- C4/C5 - up to 15% cost/m<sup>2</sup> decrease against three-layer systems
- Energy cost saving - negates the need for "force curing" at high temperatures

### Environmental improvement

- Low carbon emissions - negates the need to run infrared, electric or gas ovens
- Low VOC emissions - VOC at 190 g/l (EPA Method 24) or 193 g/kg (EC SED)

### Long-term corrosion protection

- Independently certified to ISO12944:2018 Part 6 C3, C4 and C5 (Regime 2)
- Coating system design life up to 25 years or over
- Excellent gloss and colour retention

# PRODUCTIVITY AND PERFORMANCE

FEWER COATS, SAME PERFORMANCE

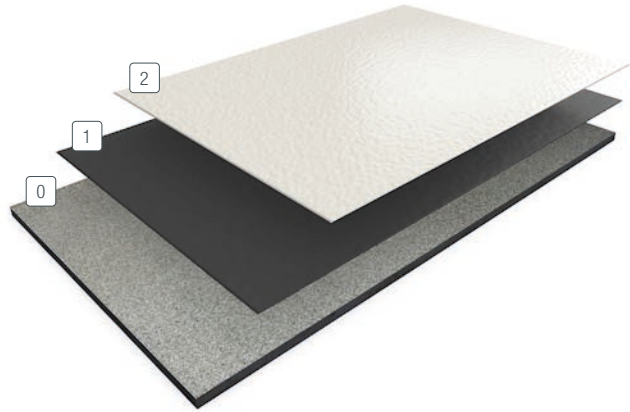
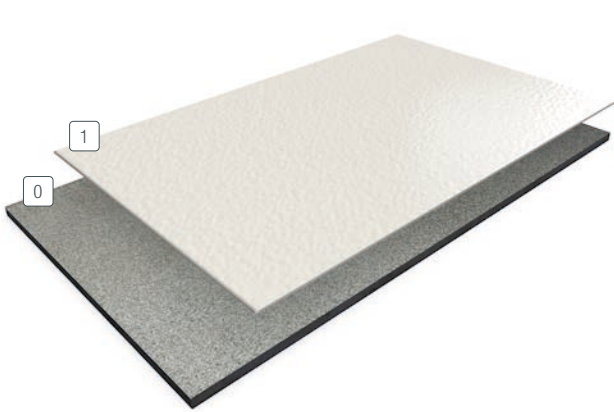
## ISO 12944:2018 C3 ENVIRONMENT

### Next generation

Envirolastic 2500 polyaspartic single-coat system

### Traditional

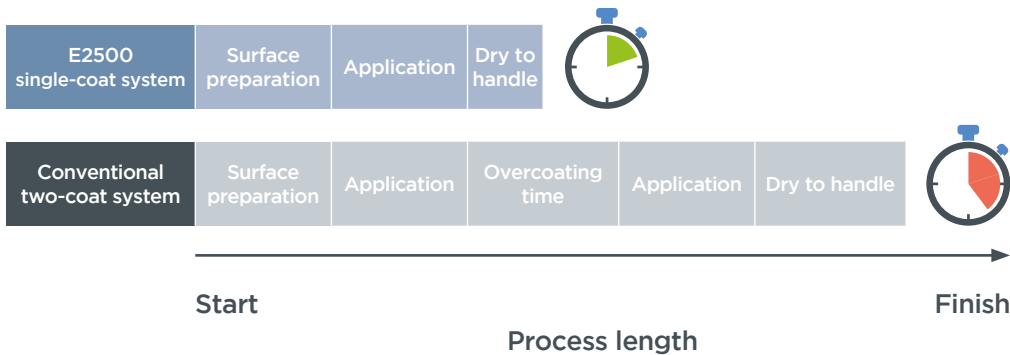
Two-coat system



- 1 Topcoat:  
**Envirolastic 2500**
- 0 Carbon steel:  
**Blast clean to Sa2½**  
**BS EN ISO 8501-1:2007**

- 2 Topcoat:  
**Polyurethane**
- 1 Primer:  
**Epoxy**
- 0 Carbon steel:  
**Blast clean to Sa2½**  
**BS EN ISO 8501-1:2007**

### Time savings during application process



# PRODUCTIVITY AND PERFORMANCE

FEWER COATS, SAME PERFORMANCE

## ISO 12944:2018 C4/C5 ENVIRONMENT

### Next generation

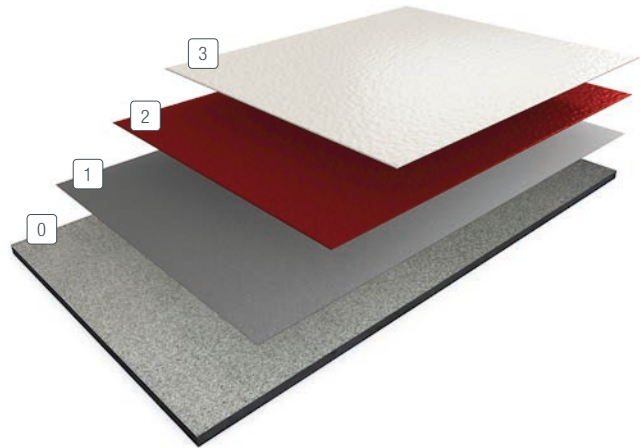
Envirolastic 2500 polyaspartic two-coat system



- 2 Topcoat:  
**Envirolastic 2500**
- 1 Primer\*:  
**Epoxy**
- 0 Carbon steel:  
**Blast clean to Sa2½**  
**BS EN ISO 8501-1:2007**

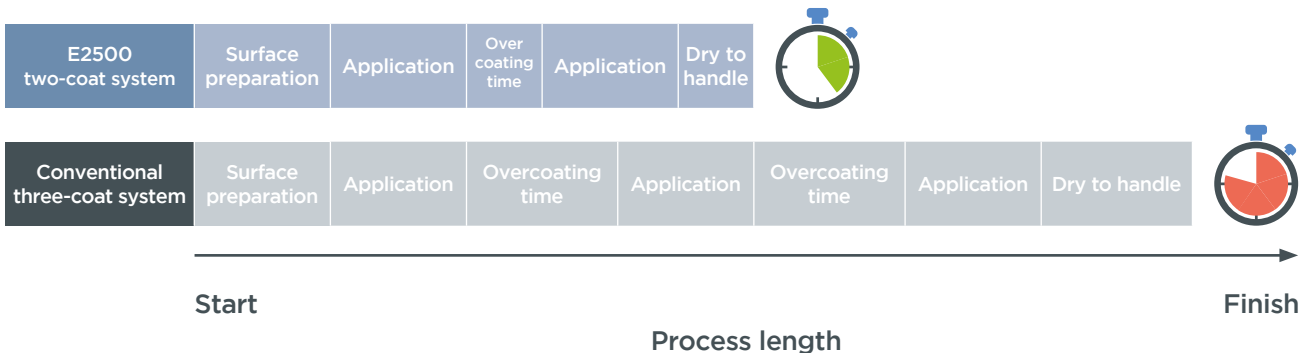
### Traditional

Three-coat system



- 3 Topcoat:  
**Polyurethane**
- 2 Intermediate coat:  
**Epoxy**
- 1 Primer:  
**Epoxy**
- 0 Carbon steel:  
**Blast clean to Sa2½**  
**BS EN ISO 8501-1:2007**

### Time savings during application process



\*Other systems possible



# KEY APPLICATIONS

## INFRASTRUCTURE

- Bridges
- Cranes
- Commercial buildings
- Manufacturing plants
- Sporting arenas
- Transportation hubs
- Warehouses

## ENERGY

- Biomass plants
- Waste-to-energy
- Thermal power plants
- Conveyor belts
- Piping and valves
- Pumps



# KEY APPLICATIONS

## OIL AND GAS

- Bullet and storage tanks
- Cylinders and separators
- Piping and valves
- Process vessels
- Production tanks

## MINING

- Process vessels
- Conveyor belts
- Screeners and crushers
- Excavators
- Pumps
- Thickeners and clarifiers





# ENVIROLASTIC® 2500

NEXT GENERATION  
POLYASPARTIC 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 that excel at combating corrosion helps customers achieve smarter, time-tested asset protection. We serve a wide array of markets across our rapidly growing international distribution footprint, including oil and gas, water and wastewater, bridge and highway, steel fabrication, flooring, food and beverage, rail and power, marine and passive fire protection.

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**SHERWIN-WILLIAMS®**

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