



Energy

Maintenance solutions for the toughest challenges

Offshore maintenance

We understand your challenges

Whatever the maintenance challenge, Sherwin-Williams is committed to providing tailor-made specifications to fulfil your project requirements.

With our global supply chain and skilled technical service network, we ensure that your asset will remain protected whatever its location.

We are your asset protection partner.

Preparation is key

According to materials performance, good surface preparation and correct application are essential in achieving long term cost effective coating systems.

The standards used to define the visual assessment of surface cleanliness of steel, before application are:

Surface preparation description	IS08501-1 (2007)	SSPC (1982)	NACE
Thorough hand and power tool cleaning	St2	-	-
Very thorough hand and power tool cleaning	St3	-	-
Power tool cleaning to bare metal	-	SP11	-
Blast cleaning to visually clean steel	Sa 3	SP5	1
Very thorough blast cleaning	Sa 2½	SP10	2
Thorough blast cleaning	Sa 2	SP6	3
Light blast cleaning	Sa 1	SP7	4

Power cleaning



Thorough hand and power tool cleaning



Very thorough hand and power tool cleaning



Power tool cleaning to bare metal

Blast cleaning



Blast cleaning to visually clean steel



Very thorough blast cleaning



Thorough blast cleaning



Light blast cleaning

Images are for illustrative purposes only.

Mechanical wear protection

Splash and tidal zone areas

Structural steel situated in extreme C5 offshore environments where immersion. or exposure to constant salt fog is likely require coating systems which will perform when you need them most.

Our ultra high build brushable mastic, Macropoxy™ M922M, provides a high solids surface tolerant epoxy, which can achieve a single coat film build by brush or airless spray, at elevated application temperatures over 100°C (212°F), surpassing 400µm (15mil) DFT and can withstand temperatures up to 150°C (302°F). Its aluminium and glass flake content delivers excellent impact, abrasion and corrosion resistance, and it allows early immersion in splash zone after application.

Macropoxy™ M902, offers an 'all-yearround' surface tolerant aluminium epoxy mastic where rapid overcoating and handling times are required. It has the ability to cure down to 0°C (32°F) and application on substrate temperatures of 0°C (32°F), providing flexible maintenance schedules.

Winner of the Queens Award 2016 for Innovation, Dura-Plate™ 301 delivers very high performance over UHP water jetted surfaces, low profile roughness, flash rust or damp areas. There is no restriction on application humidity and it can be applied over substrate temperatures of 0°C (32°F), which helps to increase maintenance efficiencies and reduce overall project costs.

Our multipurpose tolerant epoxy Macropoxy[™] 646 provides a 1:1 mix ratio, and is available in a full range of colours.



Topcoats

Efficient application with premier protection



Acrolon™ 1850, a two pack Isocyanate free finish based on an acrylic epoxy binder system, features a film build up to 200µm (8mil) DFT which promotes superior opacity in one coat for yellow, red and orange colours, offering application cost savings and reduced downtime.

Acrolon™ 7300 utilises innovative tin free two pack polyester modified acrylic polyurethane which delivers fast handling times and optimised pot life, leading to paint application efficiency and reduced downtime.

Innovative technology; mildew resistant coating for tank externals.

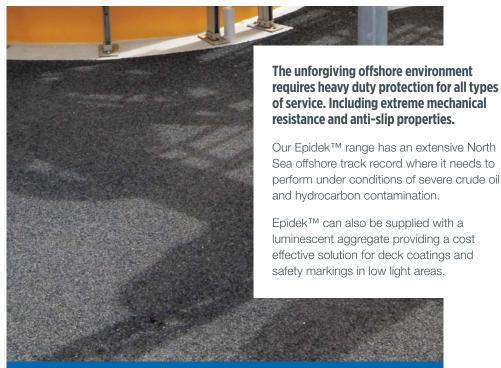
Macropoxy[™] 646 MR is a high solids, high build, fast drying, polyamide epoxy designed to protect steel and provide mildew resistance in industrial exposures. The high solids content ensures adequate protection of sharp edges, corners and welds.



Deck coatings

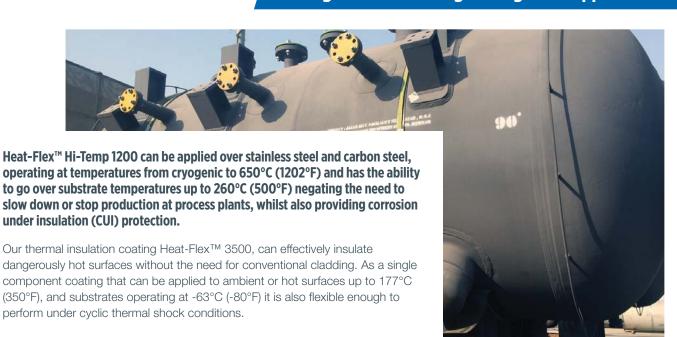
Hard wearing, tar-free anti-slip coatings





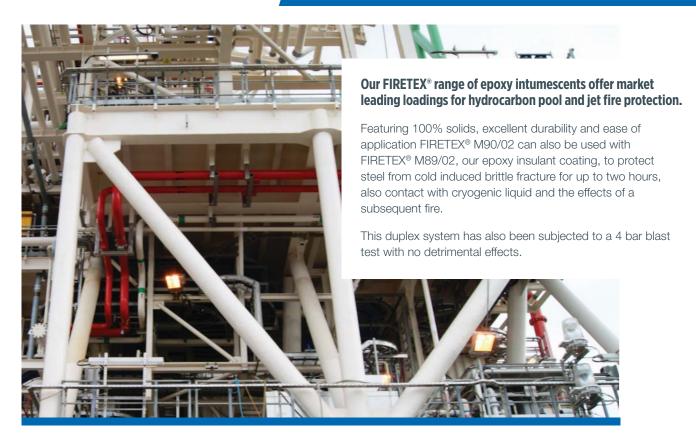
Thermal insulative coatings

Next generation coatings for high heat applications



FIRETEX® hydrocarbon protection

Epoxy passive fire and cryogenic spill protection



Tank linings Fast return to service



Quick reference guide

Features										
Product	Low temp application	Single leg airless	Single coat system	Mix ratio	Return to service <24h	HTHP service (150°C)	OAP (Optional)	Multiple uses	Abrasion/ chemical resistance	Crude oil approval
Nova-Plate™ 325*	10°C	•	•	2:1	•	•	•	•	3 ⁺	•
Nova-Plate™ UHS	10°C	•	•	4:1	•	•	•	•	3	•
Magnalux™ 41V	10°C	•	•	98:2	•	•	•	•	3	•
Macropoxy™ C251	5°C	•	•	4:1	•	•	•	•	2	•
Dura-Plate™ UHS	10°C	•	•	4:1	•	•	•	•	2	•
Fast Clad™ ER	2°C	•	•	1:1	•	•	•	•	2	•
Phenicon™ HS	13°C	•	•	4:1	•	n/a	•	•	1	•
Epo-Phen™ FF	10°C	•	•	4:1	•	•	•	•	1	•

Abrasion/chemical resistance key: 1 = Good, 2 = Better, 3 = Best, $3^+ = Premium$.

^{• =} Applicable. • = Not applicable.

^{*}Nova-PlateTM 325 can be used as both a high pressure tank and pipe lining.

Technical support

Qualified and trusted teams









SW Oil & Gas App allows you to explore the best Sherwin-Williams coating for each area of an oil refinery, shale drilling or offshore site. From tanks to piping, cooling towers to rail tank cars, Sherwin-Williams has your coatings needs covered. With comprehensive coating specifications for every aspect of your equipment, the SW Oil & Gas App is interactive, fast and easy-to-use.

A complete line of products. Market expertise. On-time distribution.

What else would you expect from a world leader in protective coatings, linings, and fire protection?

It starts with a complete line of time-tested, high-performance products and some of the most innovative and greenest technologies in the coatings industry. But we know that it takes more than product alone to be a world leader in protective coatings and linings, and so do the customers that rely on us every day as we help them protect their business.

That's where nearly 150 years of coatings industry experience comes in. Add to that a NACE-trained workforce with a combined 3,700 years of experience in corrosion control. And the market-specific knowledge that our experts provide to evaluate, recommend and deliver the highest-performance coatings and linings that protect our customers' assets.

Leave nothing to chance. Your single source of supply. Sherwin-Williams.



To learn more, contact us

Europe, Middle East, Africa & India: +44 (0)1204 521771

North America: +1 800 524 5979

Asia: +8 621 5158 7798 sales.uk@sherwin.com

www.protectiveemea.sherwin-williams.com