

PPG Petrochemical

Protecting the global petrochemical industry

We deliver world-class protection designed to withstand the aggressive environments of today's petrochemical industry.



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Unrivalled experience in the world's toughest environments

For decades, we have been working with organizations at the frontier of the petrochemical industry to design and deliver coatings which protect vital structures against the aggressive environments of their everyday work.

We combine this experience with our knowledge gained from working across a variety of challenging industries, including civil infrastructure, marine, power generation, mining, rail and nuclear.

What we learn through research, development, continuous testing and years of experience working on these projects across more than 70 countries helps us build better, more effective coatings for our petrochemical partners.

The result of this globe-spanning, decades-long endeavor is an excellent protective coatings range featuring outstanding tank linings, zinc-rich primers, general-purpose epoxy primers and durable finishes which, combined with our hydrocarbon PFP offering, give us a world-class package of solutions.

In addition, many of our coatings have been tested by leading independent authorities, proven to meet the latest industry standards, and our coatings are compliant with ISO 12944, ISO 20340 and NORSOK M501.

Superior product performance

Our petrochemical range has been formulated to match the unique demands of this complex and challenging industry. The coatings we design enable safe, easy and efficient application and are built to improve productivity levels of our customers.

Our continuous innovation delivers market-leading, highly durable coatings that protect a wide range of installations found in the petrochemical industry, which are often situated in some of the most extreme conditions in the world.

Steel structures

Our products withstand aggressive environments to protect structural steel components used in refineries, petrochemical and chemical facilities.

Our range of coatings has been designed to work well in fabrication environments where ease of use, dry time and productivity are critically important.

In addition to hard-working protection, our coatings also offer outstanding visual appeal, too. The aesthetically-appealing finish is available in a wide range of colors.





Storage facilities

Chemical resistant linings are crucial to the industry. Our range safeguards against product contamination from a variety of chemicals, crude oil, potable water and refined petroleum products.

Long-lasting protection against corrosion also reduces maintenance costs and extends the life of your equipment, providing ongoing cost-savings.

Process equipment

The petrochemicals industry thrives in many challenging environments and our coatings have been designed to help valuable equipment remain productive for longer.

Aggressive conditions such as chemical spillage, atmospheric pollution, high humidity and ultraviolet radiation present severe challenges, but our unique range of coating systems fights against corrosion even when exposed to these difficult conditions.

Jetties, floors, and decks

Our coatings are formulated to provide an excellent defense against the corrosive conditions in the coastal conditions where jetties are found, including high humidity and extreme salinity, as well as frequent impacts and other abrasive environments.

Their durability, application flexibility, chemical resistance and excellent non-skid properties also make them the ideal choice for floors and decks.

Pipes and pipework under insulation

Our coatings systems deliver outstanding corrosion protection, temperature resistance and enhanced flow characteristics for the transportation of petroleum products, crude oil, potable water, and gas.

They are designed to perform even under insulation, which can foster ideal conditions for moisture penetration and corrosion, including high temperatures and temperature cycling due to periodic shutdowns.

Preventing Corrosion Under Insulation (CUI)

Insulation itself can also hide corrosion damage, making it much more difficult to detect and repair. Our coatings perform under even these most challenging circumstances, designed specifically to provide excellent protection against corrosion, and offering heat resistance all the way up to the maximum pipe-operating temperature.

Passive fire protection

In addition to standing strong against everyday challenges, our PPG PITT-CHAR® XP coating, an epoxy intumescent passive fire protection (PFP) material, gives proven protection against the most aggressive types of hydrocarbon fires, including jet fires.

Its unique properties provide protection against mechanical abuse and can help ensure intact fire protection even following the explosive incidents that often coincide with petrochemical hydrocarbon fires.



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