

PPG HI-TEMP™ 222 G

Corrosion protection even in extreme temperatures

Our single component coating is easy to apply, safe to use and works hard through extreme high and low temperatures.





Long-lasting corrosion protection

PPG HI-TEMP 222 G is ideal for maintenance and repair of existing coatings systems on valuable processing equipment.

Specifically designed for use in high-risk situations such as refineries, petrochemical facilities and power generating plants, it protects against corrosion of insulated and non-insulated carbon and stainless steel, as well as chloride-induced external stress corrosion cracking of austenitic and duplex stainless steel.

On the surface, our coatings are built with added UV stability, preventing corrosion on surfaces that are subject to atmospheric exposure.

And they work just as hard under the surface, too, delivering excellent levels of protection against the costly and all-too-common problem of corrosion under insulation (CUI).

Outstanding performance at extreme temperatures

PPG HI-TEMP 222 G delivers superior performance across an expansive temperature range.

It's an effective protector against corrosion whether the temperature is as low as -185°C (-300°F) or as high as 204°C (400°F). The coating is also able to withstand boiling water and extreme thermal shock and thermal cycling.

These are especially important properties even if boiling water is not thought to be part of standard processes, as falling rainwater and moisture in the atmosphere can all boil on the surface and strip away layers of protection. This is especially harmful when a liquid becomes trapped under insulation and is hard to see.

PPG HI-TEMP 222 G also retains its resilience against rapid temperature changes, whether singular or repeatedly cycling high and low, which occurs when machinery is powered on and off.

Hassle-free, low-cost maintenance

We understand that maintenance can be time-consuming and costly, especially when machinery must be shut down before it is serviced.

Our single-component system removes much of the preparation time and complexities. It is much simpler to use than many mid-temperature range heat-resistant coatings which are epoxy based and consist of at least two components.

There is no requirement to mix to exact specifications and ratios, and no induction time, pot life and recoat windows to factor into project times.

For ease of use, it can be applied by spray, brush, and roller, and it air dries. It is also UV stable so equipment storage outside will not result in chalked coatings.

PPG HI-TEMP 222 G can also be applied to surfaces at temperatures as high as 204°C (400°F), meaning coating and recoating can take place while equipment continues to be productive.

Chemical plants, refineries, and power generating plants often hesitate to shut down for maintenance and postpone corrosion prevention activities. This can cause problems to become more severe and eventually lead to poor performance or even malfunctioning equipment, but with our high-performance coatings, maintenance can be undertaken as and when it's required.

Quality finish in a range of colors

PPG coatings work hard and look great, too. And beyond the aesthetic benefits, colored coatings allow for added usability, such as color coding hot pipes.

PPG HI-TEMP 222 has been designed to work with a variety of standard and custom color topcoats on non-insulated surfaces.

In particular, PPG HI-TEMP 500 VS, which is available in a wide range of colors, can be applied over a PPG HI-TEMP 222 G coating to give superior color stability for the approved temperature ranges.

Through our global network of centers, products and color matches can be guaranteed wherever they are sourced. You can ensure color stability not just throughout one project or one site, but across your entire worldwide footprint.

Visit ppgpmc.com or contact:

Asia Pacific ☎ +86-21-6025-2688 ✉ ppgpmc.ap@ppg.com | Europe, Middle East and Africa ☎ +32-3-3606-311 ✉ customers@ppg.com
Latin America ☎ +57-1-8764242 ext. 201 ✉ ppgpmcandean-ca@ppg.com | North America (US & Canada) ☎ +1-888-9PPGPMC ✉ PMCMarketing@ppg.com

