

Application: Security fencing.
Product: Plascoat PPA 571
Location: United Arab Emirates
Client: Adnoc



Plascoat PPA 571, ideal for hot climates

The situation:

The climate in the United Arab Emirates is very demanding on coated metal. Sacrificial zinc, polyester and PVC coatings can be quickly stripped off the metal by wind blown sand. Very high levels of UV can also cause coatings to degrade and fail after just a few years. Two of the key local benefits of Plascoat **PPA 571** is that it is highly UV resistant and not abraded by wind blown sand.

The summer heat can also cause problems with other coatings as the heat causes cross-linking to occur while the powder is still in storage, rendering it unusable. Air-conditioned warehouses can prevent this problem but come with significant energy costs. Plascoat **PPA 571** does not require air conditioned storage, thereby allowing cost savings to be made.

Often projects, such as this pipeline security fence, are in remote areas and as such it was paramount that future maintenance requirements were kept to an absolute minimum.

Plascoat PPA 571 is a very popular coating in the Middle East and is ideally suited for use in hot, desert climates. It requires no cooled storage and can be applied in hot, humid conditions.



▲ *Completed in 2000, the fence stretches for many miles over the horizon. It is therefore vital that maintenance is kept to a minimum.*



▲ *The fence is fully exposed to the desert conditions where sand storms can occur regularly. Sand particles cannot abrade the flexible PPA 571 coating and simply bounce off.*

The outcome:

The end client was particular impressed that Plascoat **PPA 571** had a multi-decade life span in these remote areas with no requirement for ongoing, coating-related, maintenance.

In 2015, fifteen years after installation, this fence is still protecting the pipeline and shows no sign of corrosion.



▲ *In 2015, after fifteen years exposure to wind blown sand and high UV levels, Plascoat PPA 571 is still protecting the fence from corrosion.*

Key Points

Plascoat PPA 571

- Superior resistance to sun, salt and sea water
- Excellent impact and sand abrasion resistance
- Premium quality, glossy appearance
- Will not crack, chip, flake or fracture
- Excellent adhesion to steel, iron and aluminium

Contact Us

Plascoat Systems Ltd produces a range of thermoplastic coating powders, designed for a range of specific uses.

For more information

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Visit
www.plascoat.com