



STEEL MAINS ABOVE-GROUND PAINT SYSTEM

2025 EDITION

Above-Ground Paint System

DETAILS

On occasion some Australian Water Authorities, prefer that for small quantities of exposed above ground black Sintakote® coated mild steel cement lined (MSCL) steel pipes be painted when pipelines are located above ground. This is primarily for aesthetic considerations.

Sintakote polyethylene coating provides a proven effective corrosion protection system, and for above ground installations the design life of black Sintakote MSCL pipes is rated as 50+ years.



BENEFITS

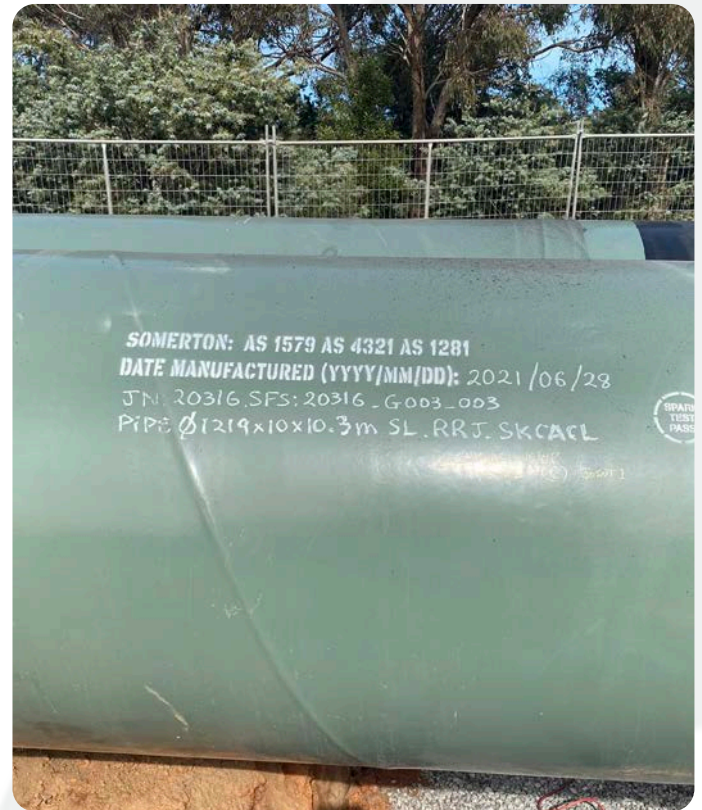
- Improve pipeline aesthetics, either to blend in with the surrounding infrastructure, or painted green to reduce the environmental impact.
- Reflect radiant heat by the application of a lighter colour on top of black Sintakote and thereby reduce the amount of heat transmission to water inside the pipe.
- Reflect radiant heat with a topcoat lighter colour, reducing the temperature exposure of Sintakote coating to below 60oC and thus increase the design life of the pipeline.
- By painting with an anti-graffiti paint to enable ongoing overcoating of unwanted graffiti.



PAINT SYSTEM

This consists of a suitable Epoxy Mastic type paint as a primary tie layer coating, followed by a single coat of Polyurethane. The latter provides good UV resistance, good abrasion resistance and is available in a high range of colours. Generally, a light colour is selected to reduce the temperature build-up of the coating surface.

Steel Mains has developed a maintenance procedure for onsite touch-up or longer-term repair for the particular paint system used for supply. Additionally, for welded joints a procedure for painting of heat shrink sleeves is available to ensure the whole pipeline exhibits a consistent colour scheme.



TYPICAL APPLICATIONS

Shorter lengths on above-ground bridge crossings over river creeks to assist blending in with the environment.





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