

TYPE: **A single pack, aluminium flake-filled silicon coating for high temperature substrates in non-immersed service.**

It has the following advantageous properties:

- Superior wet dry cycling resistance, compared to traditional high temperature paints.
- Good anti corrosion resistance to salt spray.
- Superb resistance to "sweating condensation" under thermal insulation.
- Excellent resistance to chlorides found in thermal insulating wool.
- Outstanding ability against thermal shock under rapid temperature increases
- High resistance to "burn off" during first heating cycle / start up.

SUGGESTED USE: Flarestack Nanopaint provides good corrosion protection to non-immersed metal surfaces from ambient temperature up to 600°C and in thermal cycling conditions. Suggested use primarily as a corrosion protection for Flare Stacks and other high temperature atmospheric service applications. It is also used as an under-insulation corrosion barrier to prevent problems associated with CUI.

LIMITATIONS: Flarestack Nanopaint should be applied at substrate temperatures below 50°C and temperatures above 8°C. Flarestack Nanopaint must not be applied to surfaces at elevated temperatures. Do not apply to damp or wet surfaces.

HEALTH & SAFETY: When using this product, safety precautions should be observed. Avoid contact with the eyes and skin. Suitable protective clothing should be worn. Ensure good ventilation and wear a vapour mask recommended for hydrocarbon solvent vapours. **Read the Health and Safety Sheets before using the product.**

SURFACE PREPARATION: Wherever possible abrasive grit blast cleaning to ISO Standard 8501-1 Sa 2½, SSPC-SP 10 should be used (for full details, refer to Corrocoat data sheet SP1). UHP water blasting may be used to NACE No 5 / SSPC – SP12 WJ-2/L standard, the substrate must be dry before application of the material. Flarestack Nanopaint can be applied over a mechanically prepared substrate but this will lead to a deterioration in performance. Remove any surface grease, oil or other contamination using a suitable solvent or degreasing agent. Remove any loose material from the surface by mechanical means and complete using suitable equipment to a standard not lower than ST2.

APPLICATION:	Brush or roller application, or by airless spray using a 45:1 pump ratio and a gun fitted with a 13 thou reversible spray tip. Wet film applications of over 120 microns are to be avoided.
THINNERS:	Not normally required. If required, only Xylene should be added, up to a maximum of 5% by volume.
PACKAGING:	5-Litre, 10-Litre, and 20-Litre units.
STORAGE:	Up to 12 months minimum in original unopened tins.
COLOUR:	Metallic Aluminium finish.
RECOMMENDED DFT:	Generally 2 to 4 coats of approximately 35-50 microns DFT per coat are required. Edges and other corrosion-susceptible areas will benefit from a stripe coat before or in between main coats. WFT's of more than 120 microns must not be applied, as excessive WFT's will affect the cure of the product.
VOLUME SOLIDS:	Approximately 43.6%
PRACTICAL SPREADING:	10-12 square metres per litre (theoretical coverage rate: 13 square metres per litre).
DENSITY:	1.03 g/cm <sup>3</sup>
FLASH POINT:	27°C (Closed Cup method).
TEMPERATURE RESISTANCE:	Up to 600°C in service.
TOUCH DRY TIME:	Variable, approximately 30 minutes from application at 20°C.
OVERCOAT TIME:	As soon as the first coat is dry, after approximately 30 minutes at 20°C.
CLEANING SOLVENT:	Xylene.

**All values are approximate. Information regarding application of the product is available in the Corrocoat manual.**

Should further information be required, please consult Corrocoat Technical Services. Physical data is based on the product being in good condition before polymerisation, correctly catalysed and full cure being attained.

**Revised 6/2011**