

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

STORAGE:	Up to 12 months minimum in original unopened tins.
COLOUR:	Metallic Aluminium finish.
RECOMMENDED DFT:	Generally 2 or 3 coats of approximately 30-50 microns DFT per coat are required. Edges and other corrosion-susceptible areas may 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 ³
FLASH POINT:	27°C (Closed Cup method).
TEMPERATURE RESISTANCE:	Up to 600°C in service.
TOUCH DRY TIME: 20°C.	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 10/2010
Reviewed 02/2014 (No change)
Reviewed 10/2017 (No change)**