



Product Origin: USA

ANTI-CORROSION THERMOPLASTIC (ACT) COATING

Mun Siong Engineering is the sole distributor for Oxifree TM198 in Singapore. Oxifree TM198 is an organic thermoplastic coating for the protection of metallic components from corrosion and contamination.

INDUSTRIES



Oil & Gas



Pipelines



Utilities



Mining



Power
Production



Marine



Food and
Beverage



Storage

SUITABLE APPLICATIONS



Actuators



Bearing
Housings



Electrical
Conductors



Flange
Assemblies



Graylock
Clamp



Pipe
Support



Pumps



Valves



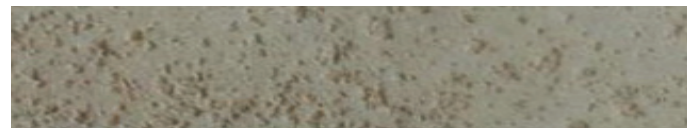
Wellheads

BENEFITS

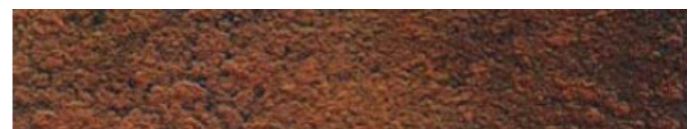
- Savings to Both Operational & Capital Expenditure
- Arrests All Types of Corrosion & Contamination
- Applicable On Rotating Parts
- Applicable On Sweating Pipes
- Applicable On Live Assets
- 100% Reusable
- Minimum Surface Preparation
- No Solvents Content
- Excellent UV Resistance
- Complimentary to Other Coating Systems
- Complimentary to NDT Inspection
- Simple to Remove Without Damaging Substrate
- Encapsulates Substrate
- Does Not Adhere to Structure
- Fast to Apply & Cools Within 2 Minutes
- Proven to withstand years of exposure in harsh environments
- Preserve Stored Assemblies
- Application to Complex Geometry Areas

TM198 COATING APPLICATION PROCESS

Minimal surface preparation required using only a wire brush to remove rust flakes.



Paint Requirement (Sa 2.5)



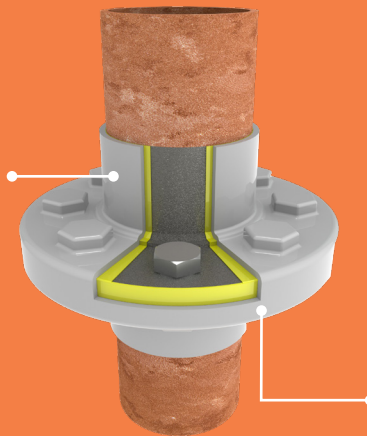
Oxifree Requirement (St 2.0)

Oxifree TM198 is melted down from solid resin. Two coats are applied to a 4mm minimum coating thickness using a heated hose and gun to provide 100% protection against corrosion and contamination.

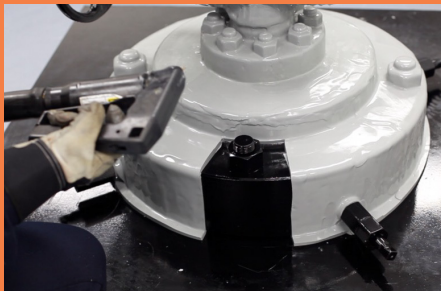
TM198 Coating Material

How TM198 Works

Organic thermoplastic coating provides full encapsulation, blocking ingress of contaminants, moisture and oxygen



Corrosion inhibitor oils act immediately and actively protect when in contact with the metal surface



Whilst TM198 allows for NDT testing, removal is useful should a visual inspection be preferred. A small area can be cut away to expose the substrate and inspection or maintenance performed.

When refilling the area, the new material bonds to the existing material to re-encapsulate the substrate. The area is then secure and the material can continue to protect and provide complete protection against corrosion and contamination.



CERTIFICATIONS

Mechanical

- ASTM B117 - Salt Spray Test
- ASTM G154 - UV/Weathering Test
- ASTM D790 - Cryogenic bend flexibility
- ASTM E968- Sand Abrasion Resistance
- BS 3900-F2- Cyclic Condensation
- ISO 20340- Corrosion Resistance And Aging Test
- ISO 2812-12 Salt Water Immersion Test

Electrical

- ASTM D149- Dielectric Strength Testing
- BS2782 Pt.2- Volumetric Resistivity Testing

Health and Safety

- Boeing BSS 7239- Smoke Toxicity Test
- ASTM E662- Smoke Generation Test
- BS EN 11925-2- Single Burning Item Test
- UL 94 V2- Flammability of Plastic Materials

Chemical

- GOL492/09- Volatile Organic Compound Test
- ASTM D7359/13- Standard Test Method for Total Fluorine, Chlorine and Sulfur in Aromatic Hydrocarbons