
Syneffex™ Thermal Insulation and Corrosion Prevention Coatings

Our patented **Heat Shield™ Translucent PT coating** is the top choice for multiple pipe, tank, and equipment applications around the world. It has solved the century old problem of corrosion under insulation (CUI) by both insulating and preventing corrosion with a single product. Our coatings provide an all-in-one insulation and corrosion prevention system that makes Sustainability Simplified™.

Heat Shield™ Translucent PT is engineered to stand up to the harshest offshore, onshore, and above ground environments, so you know that your assets will be insulated and protected from CUI with a solution that will last for years to come. We've got you covered!

Product Details

- ✓ Coverage Rate Per Gallon: 150 S.F. @ 3-coats
- ✓ Standard Application: 3 coats
- ✓ Applied Thickness: 4 mils (100 microns) / coat
- ✓ Sold in: 5-gallon size
- ✓ DTM (Direct-to-Metal)
- ✓ Patented Technology
- ✓ Water-based, non-hazardous

About Syneffex™

Sustainability Accelerated™

Syneffex™ develops and commercializes new and innovative applications for sustainability and energy savings with the science of nanotechnology.

Our award-winning coatings have been deployed for over a decade in 60+ countries worldwide for energy savings, reduction of carbon emissions, corrosion and CUI prevention, surface protection, and worker safety applications.



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Syneffex™ Industrial Coatings

Heat Shield™ Translucent PT

**The Ultimate Solution for Thermal Insulation
and Corrosion/CUI Prevention**



Corrosion Prevention Case Studies | They Could've Chosen Anyone. They Chose Us!



Sinopec - China's Oil & Gas Company

Syneffex™ technology successfully replaced outdated mineral wool and cladding to insulate offshore fuel oil storage tank and stop corrosion under insulation (CUI)



Weyerhaeuser - Savannah, GA Paper Mill

Syneffex™ Translucent PT coating was used to insulate and prevent corrosion on a black liquor tank.

Insulate & Stop Corrosion With a Single Solution

Heat Shield™ Translucent PT coating solves the issue of corrosion under insulation (CUI) and maintains a consistent insulation and anti-corrosion performance throughout its lifespan.



Testing Shows Superior Anti-Corrosion & Insulation Performance

- ✓ Passed 24-cycles (8-cycles is minimum passing) of the GM9540P salt spray corrosion test. No rust present.
- ✓ Passed the British Petroleum Standard for Resistance to CUI and Thermal Conductivity, a 100 day cyclical salt spray test. No rust, no disbondment. The coating held a consistent insulating performance throughout the test.
- ✓ Passed 30-day Salt Water Submersion Field Study, zero corrosion on surface, even at scored areas, no loss of adhesion.

Simple to Apply | Multiple Benefits

Heat Shield™ Translucent PT is simple to apply and no special equipment is needed. The coating can be spray applied with standard airless or H.V.L.P. sprayers, or brush or rolled on.

Just clean the surface with a wire brush and neutralize existing rust. No primer or jacketing is needed.



Product Benefits

- ✓ Can be applied while equipment is in service.
- ✓ Effective thin film insulation that stops CUI.
- ✓ Allows visual inspection of the surface.
- ✓ Earth friendly, sustainable, water-based, low VOC, and non-toxic.
- ✓ Stands up to weathering in all climates hot and

CUSTOMERS INCLUDE: U.S. Navy, U.S. Army Corps of Engineers, Bangkok International Airport, Seattle Museum of Flight, Galp Energia, Enap Sipetrol, Illovo Sugar.