



Heat-Flex™ 3500

Thermal insulative coating

Heat-Flex™ 3500 is a multipurpose insulative acrylic coating engineered to optimise thermal properties, which offers burn protection for personnel and hot and cold process insulation. Heat-Flex™ 3500 provides an alternative to conventional insulation and cladding.

Heat-Flex™ 3500 is a single component coating that can be applied to ambient or hot surfaces and is suitable for substrates operating between -63°C and 177°C. Heat-Flex™ 3500 is robust enough to perform under cyclic thermal shock conditions.

In an industry where the conventional approach to thermal insulative coating is insulation and cladding there is a high potential for corrosion under insulation (CUI) to form. CUI is hidden and can be difficult and expensive to monitor. This is a safety hazard and a frequent cause of plant outages.

With the introduction of Heat-Flex™ 3500, Sherwin-Williams now offers asset owners a single source for compatible coating systems including primers and topcoats, assuring consistent availability and optimal performance.



Features

- Protection of personnel.
- Hot and cold process insulation.
- Condensation control.
- Reduce radiant solar heating – containers and personnel enclosures.
- Eliminates hidden CUI.

Benefits

- Effectively insulates a dangerously hot surface to prevent burns due to accidental contact by personnel.
- When coating is placed around process equipment it will prevent the loss of process energy.
- Effectively insulates cold process equipment to maintain surface temperature above dew point.
- Reduces container internal temperatures in hot weather by as much as 16°C, providing cooler storage and safer personnel break room conditions.
- Eliminates the potential for CUI and allows for ease of inspection – especially in cyclic service. Monolithic barrier to moisture intrusion.

Key applications

Heat-Flex™ 3500 is suitable for any industry where conventional insulation and cladding are required.

Markets

- Oil and Gas (refineries, offshore structures etc.)
- Power
- Chemical
- Infrastructure and Industrial.

Applications

- Piping and valves
- Tanks and vessels
- Heaters and boilers
- Stacks and ductwork
- Compressors and pumps
- Containers
- Hot and cold surfaces.



The Sherwin-Williams difference

By putting our customers first, we know that the innovation, imagination, research and development we put into each and every product will be worth it. You are at the centre of our thinking wherever we operate around the world across five continents whether it is advice, specification or on-site inspection. You are the reason we exist. This is the Sherwin-Williams difference.



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