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Sherwin-Williams Offers Thermal Insulative Coating

Sherwin-Williams Protective & Marine Coatings now offers a product for industrial businesses looking to enhance worker safety and minimize corrosion under insulation (CUI) risks.

Heat-Flex 3500 is a multipurpose insulative acrylic coating for industrial systems that's designed for both personnel protection and mitigating CUI. The coating enables dangerously hot systems like piping and ductwork to stay cool to the touch, preventing burns and protecting the safety of personnel. It can be applied directly to ambient or hot surfaces up to 350° F (177° C), offering plants the flexibility to reduce downtime by keeping systems online during coating and recoating applications. In addition, Heat-Flex 3500 also insulates hot and cold surfaces, helping industrial processes retain heat and preventing condensation on cold surfaces by maintaining surface temperatures above the dew point.

The insulative and anti-corrosive properties of Heat-Flex 3500 enable plant owners to eliminate concerns related to CUI. The protective coating system prevents corrosion-causing condensation on the exterior of piping, ductwork, and other surfaces wrapped in conventional insulation and cladding. It performs so well at mitigating corrosion that structures coated with Heat-Flex 3500 can be removed from CUI inspection protocols.

Available in white and slate gray, Heat-Flex 3500 is ideal for coating everything from pipes, valves, tanks, vessels, heaters, and boilers to compressors, pumps, containers, stacks, and ductwork that operate in temperature ranges between -80° F and +350° F.

Heat-Flex 3500 goes on fast and easy to save application time and costs. Its single-component, waterborne acrylic formulation can be applied with standard airless equipment. Its very fast dry time allows for recoating within two hours. In addition, Heat-Flex 3500 minimizes overspray risks with droplets drying to a

non-adhering dust within a 20-foot fall.

Heat-Flex 3500 is suited for a wide range of environments, including oil and gas refineries, chemical, power, water, wastewater, and food and beverage plants.

Flowcrete Americas Introduces New Anti-Corrosion Coatings, Linings

Flowcrete Americas has announced the launch of a new range of anti-corrosive vinyl ester coating and lining materials designed to protect concrete and steel structures from the damaging effects of severe chemical and mechanical attack.

Flowchem is a new range of seamless, elastomer modified vinyl ester resin systems designed for tough industrial environments including those found in the power, oil and gas, mining and petrochemical sectors, where they act as a barrier to inhibit the contact between chemical compounds or corrosive materials.

Vinyl ester resin – a hybrid of polyester resin strengthened by the addition of epoxy resin – offers superior protection against highly concentrated and aggressive acids, alkalis and solvents including sulfuric, nitric and hydrochloric acid as well as ethanol, butane and methanol.

Flowchem systems provide temperature resistance of up to 350°F, excellent bond strength and abrasion resistance as well as reduced shrinkage, durability and excellent bond strength.

Systems available in the range include Flowchem VE RC, a horizontal and vertical roller applied vinyl ester coating installed at 40 mils, Flowchem VE BC a more robust version installed at 60, 75 or 125 mils with graded aggregates sandwiched in between two layers of vinyl ester resin to provide enhanced traction, strength and impact resistance.

Also available for hardier environments where improved dimensional stability is needed including areas subject to explosion risk or Liquid Nitrogen handling, is Flowchem VE GL, a glass fiber

reinforced horizontal and vertical applied system installed at 125 mils.

PPG Launches NUTRISHIELD Food-Can Coatings

PPG Industries' packaging coatings business has launched NUTRISHIELD new-generation coatings for the food-can industry and Nutrishield SOLISTA internal protective spray coatings for drawn and wall-ironed food cans. Nutrishield brand products are PPG's new generation of food-can coatings, designed to fulfill can-makers' and brand-owners' needs regarding enhanced food-contact regulatory requirements.

The Nutrishield Solista technology – Bisphenol A non-intent (BPA-NI, or with no BPA intentionally added) spray coatings for drawn and wall-ironed food cans – is the first BPA-NI high-performance solution for the food-can industry approved to pack ready meals, soups and infant foods such as milk. The coatings comply with North American and European regulations and are food-contact compliant, certified by independent institutes.

Suitable for low- to high-pH and fatty foods, Nutrishield Solista spray coatings also have enhanced flavor-neutral properties to help easily affected products pass extensive flavor tests.

More than 3 billion food cans will have been coated with Nutrishield Solista spray coatings by the end of 2015. The coatings are now available commercially in the U.S. and were launched in Europe over the last year, and they are ready for global reach and supply with production capacity in all regions.

PPG produces Nutrishield Solista coatings in vessels dedicated to the manufacture of BPA-NI spray. In addition, PPG offers a complete new-generation system for drawn and wall-ironed food cans, with BPA-NI PPG Washcoat (PPG5200 series), fully compatible with Nutrishield Solista internal spray coatings. **CW**