

REFURBISH AGED METAL BUILDINGS

A NEW LEASE ON LIFE-CYCLE?

Metal panels, cladding and roofing have been used in commercial architecture for decades because of their aesthetic appeal and durability. But, over time, the factory finish on these metal structures begins to break down, and they become much less attractive while they fall victim to corrosion and UV light degradation.

Tnemec Company Inc. manufactures several high-performance coating systems that can be used to overcoat these aging metal structures. Overcoating is a cost-effective and more efficient way to renovate and preserve the exterior metal on almost any building. This sustainable, easy-to-maintain option allows owners the ability to save valuable time, cost and the disruption of a typical remodel. With minimum surface preparation, an innovative tie-coat and an ultra-durable finish coat from Tnemec, these aged buildings can be easily renewed.

Whether originally galvanized, Galvalume-finished or coated with a coil-coated or baked fluoropolymer finish, exterior metal panels will eventually reach the end of their designed life expectancy. Corrosion on the metal panels will certainly cause an undesired look, but this may compromise structural integrity, too. But overcoating these structures could provide the owner with a viable alternative to full abrasive blasting and/or containment or even complete panel replacement.

BUILDING LIFE INSURANCE

Tnemec has been protecting metal structures since 1921 when we introduced a unique rust-inhibitive primer. Since then, Tnemec has developed a wide range of coatings that provide long-term protection for aged metal buildings. Long-term protection is



BEFORE

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FEATURES AND BENEFITS

- Cost Effective and Efficient Solution
- Sustainable and Easy-to-Maintain
- Minimal Surface Preparation Necessary
- Time- and Labor-Saving
- Less Disruptive than a Typical Remodel

the key—the life-cycle value of a high-performance protective coatings system is much greater than that of ordinary paint that deteriorates quickly and leads to frequent repairs.

Our corrosion control experience runs the gamut of industrial applications, from petrochemical and power plants, food, beverage, while also covering high-rise and low-rise architectural structures across the world.

METAL ROOFS – WHEN TO RESTORE

When a metal roof coating is chalked, faded or no longer appealing, overcoating presents the best option to enhance the appearance of the building and increase its longevity. Application of an overcoat system is a cost effective refurbishment option for scenarios where the roof still functions, but lacks the appeal it once had and is in danger of corroding.

Overcoating is also the environmentally preferable choice, as it reduces the amount of energy consumed by tearing off aged roofs and installing, transporting and manufacturing new roofs. Tnemec also offers several overcoating systems that are low VOC and/or formulated using infrared (IR) pigments to reduce roof temperatures and help lower cooling costs.

OVERCOATING – A COMPLEX PROCESS?

Successful overcoating of factory finishes can be achieved when proper evaluation, surface preparation, and application techniques are followed. The success or failure of an overcoat system depends on several variables, which include the condition of existing coating system, the geographic location (exposure conditions), surface preparation prior to overcoating and the type of overcoat system selected. Tnemec representatives can help you along the way to ensure your metal building is protected for years to come.

Because overcoating your metal building is a substantial investment, a test patch of the intended coating system is recommended. For additional information, please reference Tnemec Technical Bulletin 98-10.

INNOVATION IN EVERY COAT™

AFTER



BEFORE

above: Corporate Center
Fairfax, VA



YOUR REPUTATION IS OUR REPUTATION

Give your building a new lease on life with Tnemec protective coatings. For a proper overcoating evaluation, or for more information on how Tnemec coatings can help protect you, your customers and your buildings, contact your local Tnemec representative at tnemec.com.

Tnemec Company, Inc. 6800 Corporate Drive Kansas City, Missouri, USA 64120-1372 +1 816-483-3400 tnemec.com

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