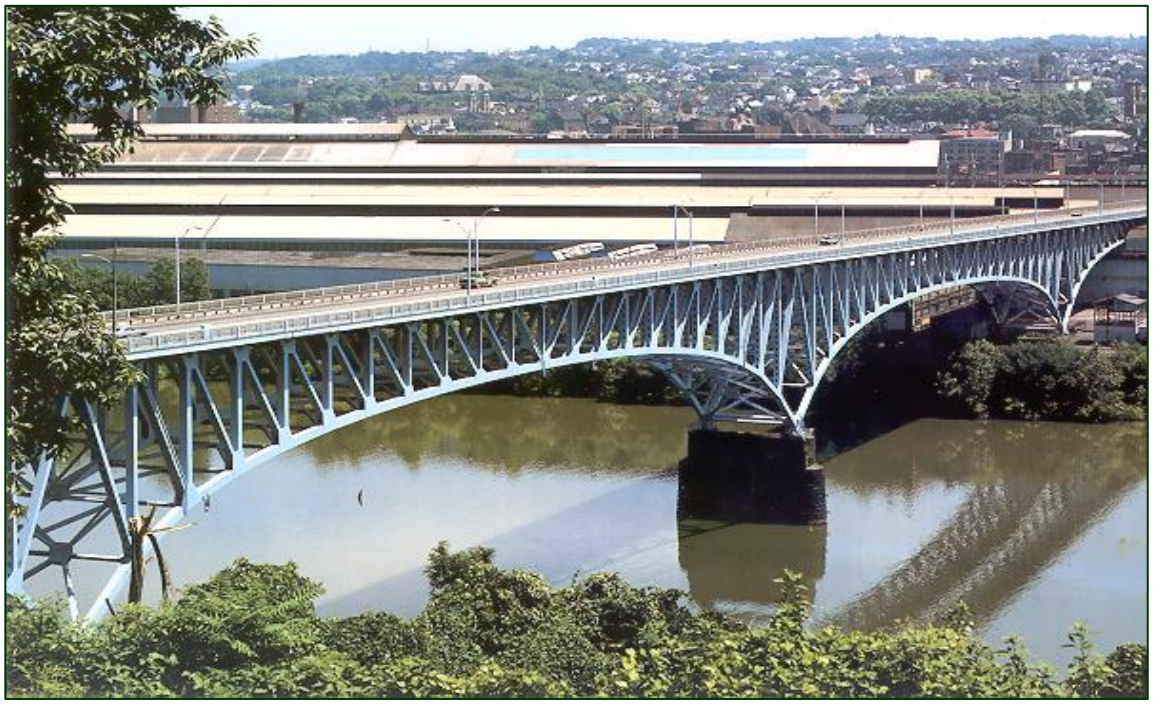
CHOOSE A WINNER AGAINST CORROSION

CFI's U-104 Won The Test with a 20-Year Failure Rate of Less than 2%



COATINGS FOR INDUSTRY
WORKS. ALWAYS.

Preventing Rust on Steel Structures

The most important measure of a coating's effectiveness on steel structures is its ability to prevent corrosion over time, especially when applied to steel with existing rust.

U-104, a moisture-cured, aluminum-impregnated rust preventive coating from CFI has been proven over decades of use to be one of the most effective coatings available.

Through laboratory and field tests, as well as in use on structures large and small, U-104 has been shown to last up to 20 years or more, while demonstrating failure rates of less than two percent over that time.

How is that possible?

Before and after U-104 application – a steel roof rescued, no blasting necessary. The coating is still in service nearly 2 decades later.

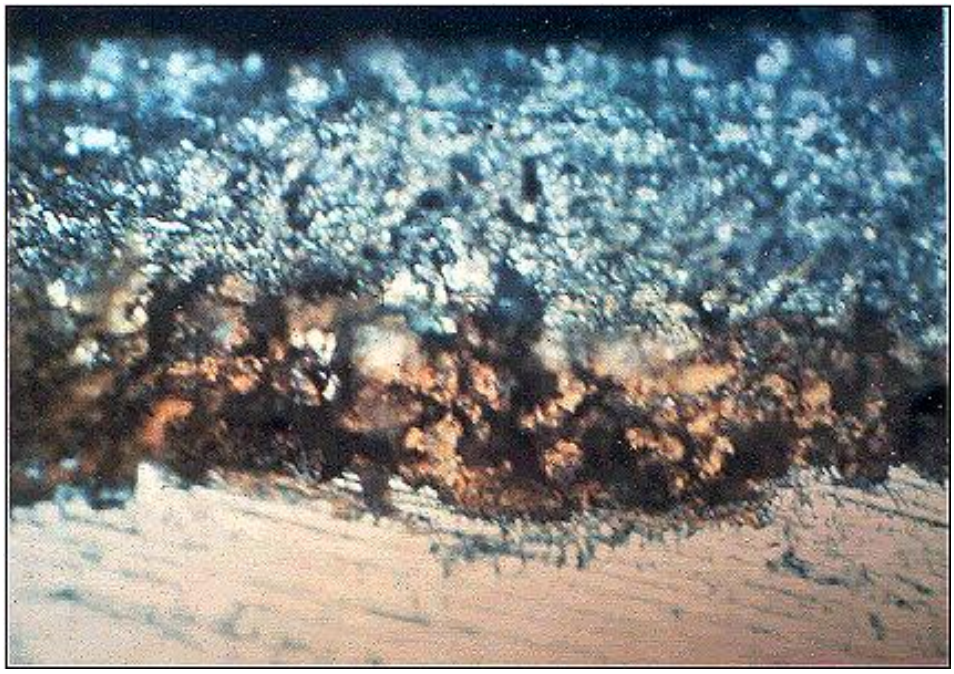
It Penetrates Existing Rust

When applied to steel with existing corrosion on the surface, U-104 penetrates the existing rust, bonds it to the good steel beneath, and essentially halts further corrosion.

As a moisture-cured coating, U-104's chemical make-up allows it to penetrate the surface easily. It then consumes any moisture present in the existing rust, binding that moisture to the coating as this aluminum-impregnated barrier coating cures.

This not only creates a hard, uniform surface, but it also eliminates the conditions necessary for corrosion to continue.

If a commonly used coating such as epoxy is applied to the same surface, it can trap moisture underneath, and corrosion will continue.



Microscopic cross-section shows how U-104 penetrates the existing rust, bonds it to the good steel beneath, and essentially halts further corrosion.

It Keeps Moisture Out

Once applied and cured, U-104 is an extremely effective barrier coating, keeping moisture away from the steel surface.

This is due to its aluminum-flake pigmentation. When the coating is cured, the aluminum flakes lay flat on the surface. This forms a multi-layer seal that makes it very difficult for water to get through the coating to the steel surface.

It Makes Preparation Easier

It is often said that the most important step in re-coating steel structures is the preparation. When applying epoxy or other commonly used coatings, aggregate blasting to a white, or near-white metal surface is generally prescribed.

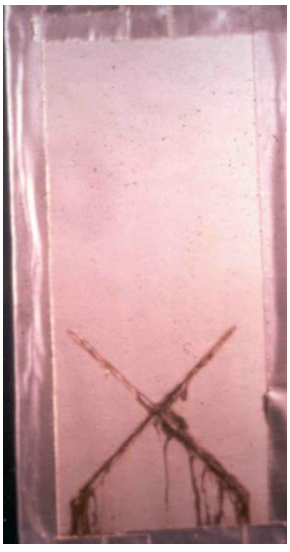
Blasting is messy, expensive, and is always a challenging process, especially on large structures.

But because U-104 penetrates surface rust and bonds it to the steel, blasting may not necessary. All that’s required for surface preparation is to remove any loose, flaking rust and assure the surface is completely dry.

Proven Performance

U-104 has been proven effective in numerous lab tests, including 14,000 hours in a salt fog chamber demonstrating virtually no rust creep under the coating where scribed. More importantly, it has performed in the field, resisting corrosion on bridges, water tanks, roofs and other steel structures showing no need for recoat for two or more decades.

ASTM Salt Fog Test:
After 2500 hours, U-104 applied over pre-rusted panels, L panel scribed, no surface prep.



Salt Fog Test, 14,000 hours:
U-104 applied over blasted panel. No rust crept under the scribe.

Learn More

For more information about U-104, download the Technical Data Sheet, or contact CFI for competitive pricing.

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