

Wind Tower Repair



PROBLEM

This wind tower in the thumb region of Michigan has become damaged over a period and requires refurbishing due to severe corrosion. The customer was looking for a high-performance, long-term repair solution.

The client asked Unconventional Solutions to provide an effective repair and protection solution to their problem.

SUBSTRATE

Metal

PRODUCTS USED

[MBX Electric Bristle Blaster](#)

[RESICHEM 506 ALUPRIME](#)

[RESICHEM 555 Resinox](#)

SOLUTION

The steel tower was prepared by using a [MBX Electric Bristle Blaster](#), which mimics the results of grit blasting, to a near white metal finish, or a NACE Grade Two.

One coat of [RESICHEM 506 ALUPRIME](#), an epoxy high solids steel protection system, was applied to the severely corroded areas.

Then, two coats of [RESICHEM 555 Resinox](#) was applied. Although it is possible to apply heavier film builds with a spray or brush, two coats, with drying time, is recommended to ensure the minimum DFT of 350 microns (14 mils) is achieved to give the long-lasting results desired

[RESICHEM 555 Resinox](#), available in grey or white, is a water based, high build acrylic encapsulation system with optimum level of UV resistance to offer an anti-corrosive protection to the steel structure.