

HydraWrap (Fiber Reinforced Polymer)

Project

Condenser Water Boxes

Installer

EMS, USA

Engineered Solution

HydraWrap, Carbon Fiber Structural Repair.

Substrate / Area

Steel – Abrasive Blast to SSPC-SP6

Installation

April 2008

Client requested repair and coating to a four water boxes, each box measuring approximately 290 sq. ft.

Engineers walked down the project, reviewed drawings and system operating parameters and provided an engineered solution. This solution utilized the HydraWrap Carbon Reinforced Polymer System.

Each water box was grit blasted to obtain a near white surface profile. Two layers of bidirectional carbon fiber were installed on the interior surfaces of each water box while ensuring smooth transition to all inlet and outlet connections. The HydraWrap carbon fiber was then top coated with a UV protective coating.



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