

POTABLE WATER



MARKET SYSTEM PROJECT

OWNER CONTRACTOR

Potable Water Storage
 AquaVers® 405
 2.5 Million Gallon Potable Water Storage Tank Rehabilitation
 City of Brownwood, Texas
 All Seasons Foam & Coatings, Sanger, Texas



2.5 Million Gallon Potable Water Storage Tank

A 2.5 million gallon ground storage potable water tank in Brownwood, TX was in need of rehabilitation due to pinholes in the base plate and a failing existing liner. The specification called for the installation of a new NSF/61 approved potable water polyurea lining system. The project was completed using VersaFlex Incorporated's AquaVers® 405 by Chad Corbin and his team of All Seasons Foam and Coating in Sanger, TX.



Scaffolding necessary for massive interior spaces

The existing 38,000 square foot tank, which stands at a whopping 60 feet tall and 90 feet in diameter, provided some challenges. The tank had two 3ft diameter access holes and another 3ft access hole on the top, meaning all equipment and supplies would need to be fed into the tank through one of those access ports. It was required that the crew wear full-face fresh air respirators at all times during the coating application inside the water tank.

Scaffolding had to be used during the coating process and had to be fed in through the access holes in

DECORATIVE COATINGS



pieces then assembled and reassembled inside the tank as coating work progressed and moved throughout the interior of the tank. Scaffolding had to be built surrounding each support beam and outer wall of the tank.

To further complicate things, the crew faced delays from heavy rains making it difficult to reach the tank with trucks and equipment due to the terrain of the surrounding area.

Once the old lining was removed and the crew was able to start coating using a Graco Reactor H-XP3 with AquaVers® 405 polyurea to a dry film thickness of 80mils. In its entirety, the project took about 2 months to complete.



AquaVers® 405

View of Finished Interior



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