

Case History

Description

Freeport Standpipe
Potable Water Storage
Tank

Location

Kitchener, Ontario,
Canada

System

Exterior: Dimetcote 9/
Amerlock 400/
Amershield

Interior: Amerthane 490

Surface Preparation

Abrasive Blast

Substrate

Carbon Steel

Date of Application

2010

Date of this Report

July 2011



PPG Protective and Marine Coatings' Amercoat brand offers proven protection for the Freeport Potable Water Storage Tank. In 2010, Amercoat Canada's technical sales representative and the Region of Waterloo selected the high-performance coating system of Dimetcote 9 (inorganic zinc primer), Amerlock 400 (high-solids epoxy), and Amershield (single coat polyurethane) for its badly corroded exterior. This system is now providing:

- Excellent long-term protection against weather and corrosion;
- Outstanding color and gloss retention

For the interior, Amerthane 490 (elastomeric polyurea hybrid) was chosen. Its single coat, very high build application, quick-return-to-service and low temperature cure reduced the operational downtime for the Region of Waterloo. It also offers excellent resistance to the abrasive forces of ice during the winter.

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A PPG brand