

# M680™ Mortar Pump Resurfaces Wastewater Transfer Station



## CASE STUDY

### Challenge:

Commonwealth Epoxy Coatings, Inc., of Newport News, VA, won the contract to resurface a wastewater transfer station for a regional water and sewer authority in North Carolina. The specs called for two cementitious materials of different viscosities.

Commonwealth had never before sprayed the heavier of the two materials and recognized that their existing equipment wasn't capable of handling it. That left them with two immediate options - double their timeline and hand-trowel the material, or rent large, difficult-to-maneuver shotcrete equipment and absorb the extra expense. Neither option appealed to them.

### Solution:

Fortunately, Commonwealth had enough time to explore a third option: the Graco M680™ Mortar Pump. The M680 is capable of handling a range of materials of varying viscosities at low pressures (typically 200 to 500 psi/13.7 to 34.5 bar). It is easy to use, which enabled Commonwealth to begin spraying quickly, and the spray provided excellent thickness control, producing a consistent layer of material.

### Results:

The project took 30 kits to complete. In terms of Commonwealth's expectations, the Graco M680 exceeded all of them. According to Vice President Jeff White, the Graco M680 cut project time in half, reduced costs by one-third and made it possible for them to spray a new material.



*Graco M680 Mortar Pump*



*Because the Graco M680 is easy to use and maneuverable, Commonwealth Epoxy Coatings, Inc. was able to spray in tight spaces rather than hand-finish, which Commonwealth estimates cut the project time in half and reduced costs by one-third.*

For more information, contact us at 1-800-746-0883 or [info@graco.com](mailto:info@graco.com). Visit us at [www.graco.com](http://www.graco.com)

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# SPECIFICATIONS

## END USER

Commonwealth Epoxy Inc.

## INDUSTRY

Wastewater

## APPLICATION

Resurfacing a transfer station

### Material Specs:

- Name of Material –  
Series 218 MortarClad™  
Series 217 MortarCrete™
- Material Supplier –  
Tnemec Company, Inc.
- Feed Method – Hopper
- Components –  
MortarClad: A + B liquid, C dry mix  
MortarCrete: A liquid, B dry mix
- Chemistry –  
MortarClad: Epoxy modified  
cementitious mortar;  
MortarCrete: Cementitious  
repair mortar

## GRACO EQUIPMENT

- M680 Mortar Pump

## CONFIGURATION

- Part Number: 24T834
- Hose: 1 in x 25 ft fluid hose  
(25 mm x 12.6 m); .75 in x 10 ft ship  
(19 mm x 3 m)
- Applicator: Flex Hose applicator  
with #6 Nozzle
- Atomization type: Air atomization

