



Tank bases showing signs of corrosion with cracked / crumbling concrete bases.



The same tank base now protected with Premier Coatings Tank Base Protection System.



Several tank bases fully protected from corrosion.

### Project Data

<b>Location</b>	Rio de Janeiro - Brazil
<b>Completed</b>	13 tanks by September 2016 - 39 more tanks to be complete the job.
<b>Project Type</b>	Tank Base Protection
<b>Products / Systems Used</b>	Prembond Hi-Tack Primer / Premier Moulding Compound / Prembond Hi-Tack Tape / Premcote FB 30 Tape / Top Coat (locally manufactured)
<b>Contractor or Applied by</b>	Maintenance Staff

### Project Details

Premier Coatings™ Tank Base Protection System was approved by Chevron Brazil back in year 2014 and since then they have applied it in their plant of Campos Eliseos-Duque de Caxias, Rio de Janeiro. Weather in Rio de Janeiro is humid all year round and makes that critical areas of metallic structures, just like storage tank bases, suffer severe corrosion problems. Chevron has 52 tanks, different sizes, in this plant and have applied Premier Coatings Tank Base Protection System in 13 of them up to December 2016. Before the end of 2018 they should have the 52 tanks protected with this system. Premier Coatings staff instructed the Chevron maintenance staff how to surface prep and apply the system in the first tank and they did 12 more afterwards. They applied Prembond Hi-Tack Primer in the corroded areas to seal small holes in the concrete and interface metal-concrete (they did not use caulking because holes were small and were properly filled with the primer). After that, a strip of Premier Moulding Compound was placed and extended at the right angle between the base and the tank wall, all around the tank, to smooth the angle and avoid accumulation of water and dirt in the area. Then the stripes of Prembond Hi-Tack Tape were put in place all around the tank, covering from some 4" - 6" up the wall to the floor were the tank base rests (6" wide tape rolls were used so they put 3 stripes overlapping each of them around 50% with the next one. Same was done after that with the butyl tape Premcote FB 30, placed on top of the petrolatum tape to provide mechanical protection and longer durability. At the end they applied a black top coat to match with their tank walls and provide with UV protection. By doing all the process by themselves in 12 tanks (and 39 more to go in this plant plus 13 in another plant they have in Rio) after we taught them how to do it in just 1 tank, shows how easy the application process is.

### Benefits

- Minimal Surface Preparation
- Long Maintenance-Free Service Life
- Fast & Easy Installation
- No Special Tools Required