

Many of our clients, as well as engineers and architects, have been inquiring whether Silvercladd is corrosion resistant and its performance against caustic soda NaOH. Consequently, we are now able to report a case-study conducted in a real setting, to answer these questions.

With the help of a reputable contractor, whose desire is not only to provide a service but to bring real and viable solutions to his clients, we have been testing Silvercladd 800 in the most corrosive area of a chemical plant, where Caustic Soda is processed.

Key details of this environment:

- Heavy industrial
- Caustic Soda pervasive
- Steam pipes: 120 160C (248 329F)
- Insulation materials: mineral wool and others
- Various metal cladding
- Enclosed facility, high levels of temperature and moisture

Date of first installation: November 15th, 2011 Date of inspection: July 4th, 2013 Location: Italy Disclaimer: we have been requested not to mention any names as a privacy matter Can Silvercladd 800 resist caustic soda environment? You be the judge!



Caustic Soda, or Sodium Hydroxide, has many beneficial applications and used in many industries such as pulp & paper, textiles, bleach manufacturing, petroleum products, aluminium production, the food industry, water treatment, and many additional chemical processing. However, despite its usefulness, Caustic Soda is highly corrosive and reactive posing great threat to most metal objects such as pipes and equipment.

Over the next pages we endeavor to present to you, through photos and explanations, the results and differences between Silvercladd 800 and conventional metal cladding installed.

Please note: this test has been ojectively conducted to ensure accuracy. The information presented herein is the result of the site inspection and contractor interview. For additional information please contact the undersigned.

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Silvercladd 800 installed on a tank Installed in: November 15th, 2011 Photo taken: July 4th, 2013 No corrosion observed, also no CUI



- Above: metal jacket installed about 2 years ago
 Bellow: Silvercladd 800 installed 1.5 years ago



Silvercladd 800 installed on a tank Installed in: November 15th, 2011 Photo taken: July 4th, 2013 No corrosion observed, also no CUI



- Above: metal jacket installed about 2-3 years ago
- Bellow: Silvercladd 800 installed over pipe, over 1 year ago





- Silvercladd 800 installed in November 15th, 2011
- No corrosion abserved on any of the Silvercladd inner or outter surface
- Contractor removed the Silvercladd to check for CUI: no evidence for corrosion. Contractor's remark "It looks like the first day we installed it".





- Above: metal jacket installed about 2-3 years ago
- Bellow: Silvercladd 800 installed over pipe, over 1 year ago

Conduct your own analysis! Try SILVERGLADD 800!

