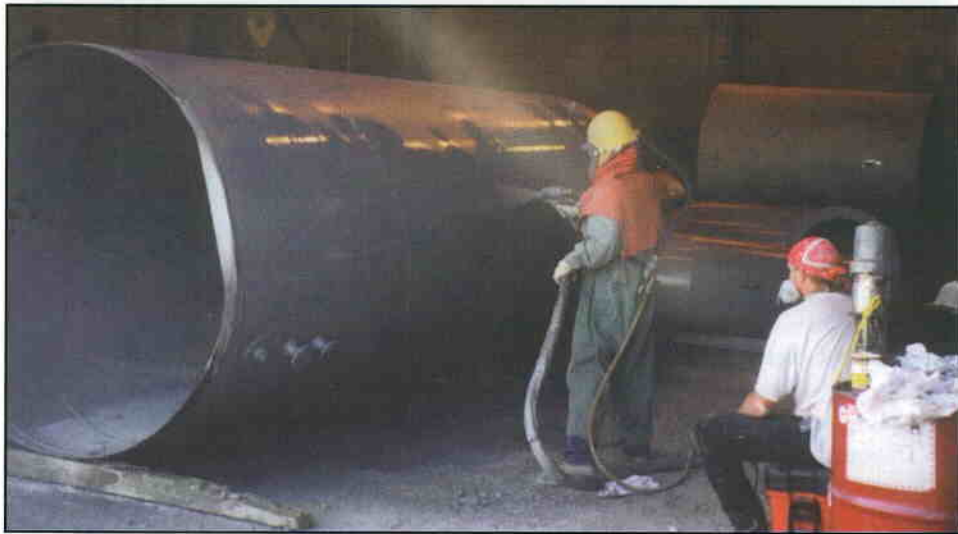


CorroNews

A Newsletter of Protective Coating Information from Madison Chemical Industries

We're Going the Distance



Engineered Coatings Ltd. sent applicators to Lafarge's production facility in order to apply Madison's Corroclad 2000

high throughput advantages for the applicator with high performance characteristics for the end user.

Lafarge manufactured the steel pipe in their Stouffville, Ontario facility where it was then cleaned, blasted and coated by ECL's mobile crew. This option was made possible by ECL's extensive field capabilities and their experience with fast-setting polyurethanes like CorroClad 2000. ECL was able to coat, inspect and prepare the pipe for shipment just hours after it was made.

The pipe was crated and sent on a truck to a New Jersey seaport and then forwarded by sea freight to Africa.

Despite somewhat primitive off-loading and installation practices, coating touch up and repair at the destination was not extensive.

In today's business environment, companies must be prepared to "go the distance" and be ready to meet and exceed the customer's expectations. For Madison Approved Applicator Engineered Coatings Ltd. (ECL), going the distance often has a more literal meaning.

Whether their applicators are travelling to some far off locale, or the object being coated in the shop is being shipped half way around



The coated pipe waiting in the yard to be shipped to Africa

the globe there is no margin for error. Both the coating and the application have to be world class in every way. A recent project provides a case in point.

Lafarge Canada Inc. was the successful bidder on a steel pipe project for

the Takoradi thermal power generating station in Ghana on the Gulf of Guinea in Africa. Because the pipeline was designed to transport the power station's cooling water supply, an effective corrosion protection system was an important consideration.

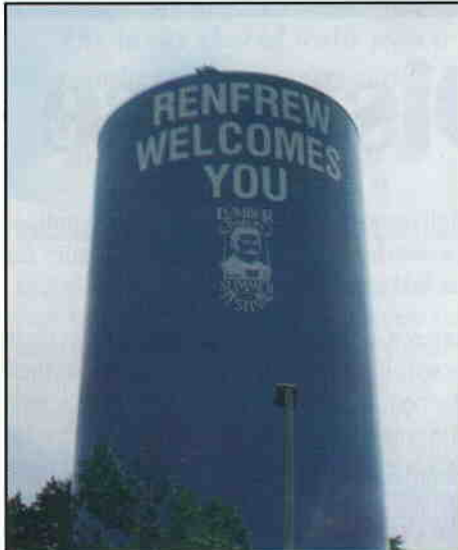
Drawing on their past experience, Lafarge, Madison and ECL recommended CorroClad 2000 for both the interior and exterior surfaces of the steel pipe. This 100% solids polyurethane coating combines

Lafarge reports that the customer is pleased with the performance of the power station's new cooling water pipeline.

Through product recommendation, application, inspection, touch-up and warranty, Madison Chemical, ECL and Lafarge Canada truly went the distance – all the way to Africa — to provide this customer with an effective corrosion protection system.

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A Big Job for this Small Town



ECL lined and coated this water tower - the only water supply for the town of Renfrew, Ontario

Renfrew is a rather small town located in the heart of the Ottawa Valley just west of Canada's capital.

In fact, Renfrew is so small that it has but one potable water storage tank to supply the entire town. So, when this water tank needed to be repaired the job had to be done in a hurry.

The steel tank was to be drained, cleaned, blasted, lined, inspected and then placed back in to service as quickly as possible so as not to deprive the community of their only potable water supply.

Engineered Coatings Ltd. (ECL) teamed up with Madison Chemical to repair the tank within the necessary time frame. ECL prepared the interior surface using standard blasting techniques (SSPC SP-10). Then they applied 16 to 20 mils of Madison's Corrocote II PW – an N.S.F. (National Sanitation Foundation) approved 100% solids polyurethane coating for potable water.

ECL has used Corrocote II PW on steel and concrete surfaces for a number of years. Their training and expertise with the product, combined with its fast setting characteristics, allowed ECL to complete the repairs to the Renfrew water tower without disrupting the town's water supply.

It Looks Just Like New



Engineered Coatings Ltd. worked with Madison Chemical to repair the Brooklin Water Tower, and now it looks like new

This elevated steel water tower in Brooklin, Ontario didn't always look this good. In fact, before Engineered Coatings Ltd. and Madison Chemical got involved, the tower was in pretty rough shape.

The Regional Municipality of Durham, the owners of the potable water tower, called on ECL to travel to Brooklin and perform a few repairs on the tank. Happy to oblige, ECL loaded a truck with blasting and spraying equipment and set out on their way.

They found the water tower in need of some special attention. Portions of the steel tank were corroded, and ECL discovered some areas where the tank was leaking due to severe pitting. Lining and coating the damaged areas of the water tower was going to prove somewhat challenging.

The owners' primary concern was stopping the leaks, and eliminating the corrosion on the interior surface of the tank. They also wanted assurance that the repairs would last longer than just a few years. ECL set to work using Madison's Corrocote II PW, a durable, long lasting, 100% solids polyurethane coating that is NSF 61 approved for use in potable water tanks.

ECL knew Corrocote II PW could be built up to any desired thickness, and they knew that feature would be important when applying over any damaged steel surfaces. Applicators started the project by sandblasting the

surface to SSPC SP10 specifications. Then they set about repairing the pitting and other surface deterioration using Madison's PW Touch-Up.

Once the initial repairs were complete, ECL spray applied 30 to 40 mils of Corrocote II PW polyurethane to the interior surface of the tank - almost twice the thickness used for most applications. The extra thickness was required to effectively seal some of the more heavily damaged areas inside the tank.

ECL applicators also coated the exterior surface of the Brooklin water tower thus restoring its youthful appearance. Thanks to ECL's hard work and expertise, by the end of the project, the tank looked and performed like new.

Check Us Out On
the Internet



www.madisonchemical.com



www.engineeredcoatings.com

Doing the Job Right the First Time

There is nothing worse than having to do a job twice. Unfortunately the Township of Tay, the owner of the Waubauskene standpipe, learned their lesson the hard way.

The Waubauskene standpipe is located on a hillside in a small village in Ontario. The tank is the only water supply for fire protection and water pressure in the homes of the community's inhabitants.

“Having experienced a tank lining failure, they wanted to be sure that the new system was effective, durable and made to last.”

Some time ago, the tank was lined with a standard epoxy corrosion protection system.

The epoxy system did not serve as an effective solution for the potable water application and subsequently had to be removed.

The township called on Engineered Coatings Ltd. (ECL) to remove the existing epoxy

lining and install a new more suitable corrosion protection system. Having already experienced a tank lining failure, they wanted to be sure that the new system was effective, durable and made to last. In addition, the coating had to be listed with NSF International as being approved for use in potable water applications.

Understanding these performance requirements, in addition to the time constraints for the project, ECL chose Madison Chemical's Corrocote II PW for the project.

Corrocote II PW is a 100% solids fast-setting polyurethane lining designed for use in potable water applications like the Waubauskene standpipe.

ECL removed the existing epoxy lining, prepared the interior surface using standard blasting techniques, and applied 16-20 mils of Corrocote II PW to the steel surface. The new lining set quickly enough to put the tank back in to service the next day.

The township was very pleased with the speed of the application, as well as the performance of the new tank lining. From now on they'll be calling on ECL and Madison Chemical in order to do it right the first time.



Waubauskene potable water storage tank

Coating Quality Through Partnership



Wastewater clarifier in Hamilton Ontario coated with Madison's Flexcel II TX

Madison Chemical is particularly proud of their association with Engineered Coatings Ltd. (ECL). ECL is a highly specialized coatings contractor whose customers demand high performance, environmentally friendly solutions and fast turnaround. ECL joined the Approved Applicator Program because Madison provides a full line of products that offer these advantages.

The partnership has taken Madison and ECL all over the map. Their first polyurethane project involved the use of Madison Corrocote II PW to line an industrial filtering unit in Wanipitei in Northern Ontario, Canada.

Other noteworthy projects involved the coating of large concrete potable water storage tanks in Kirkland Lake and sewage treatment plant clarifiers in Sturgeon Falls. Both projects were located in Northern Ontario.

Recently, ECL worked with Madison to fulfill a contract to coat four wastewater clarifiers in the city of Hamilton. This project exemplifies ECL's problem solving orientation. When this facility was built, a tunnel was submerged in sewage between two of the clarifiers. The tunnel interior served as a passageway for people working at the facility. Later, the clarifiers began to leak and the waste seeped into the tunnel.

When the situation became unbearable, ECL was called in to repair the walls of the clarifiers, and protect the tunnel from further damage. Using Madison's Flexcel II TX, ECL successfully mended the clarifier walls, and saved the underground tunnel.

“Madison gives us great technical support”

Why does ECL use Madison's coating systems? One reason is high and consistent quality. Another attraction is Madison's commitment to technical service. “Madison gives us great technical support,” said Thomas Corbett of ECL.

Both Madison and ECL look forward to continuing their association, and providing high quality products and services to customers here in North America and abroad.