



Melones Oil Terminals | Melones Island near Panamá City

GE ENDURIS™ ROOF COATING USED ON 16 OIL STORAGE TANKS IN THE PANAMÁ BAY

Silicone Roof Coating for Extreme Environments

GE Enduris 100% silicone roof coating was chosen by the customer, Melones Oil Terminal Company, to coat 16 oil tanks located on Melones Island off the Pacific coast of Panama, and about 20 km from Panamá City. The tanks, standing 30m high, have geodesic dome shaped roofs that are each about 11,000 sqsf in area.

Being on this very small island, the tanks are constantly exposed to ocean breezes/winds and marine salinity. Daytime temperatures typically reach up to 34°C and humidity can reach 95%. Roof coating was specified to stop rain water that had begun to leak through the aluminum lids of the tanks- including the joints and fasteners.

GE Enduris 3508 coating was selected for this project due to its long-term performance capabilities in extreme weather conditions, and due to the proactiveness of the accompanying technical support from the contractor Ingespro, a GE Silicones Authorized Applicator, and the local MPM distributor, Megasilants.

Enduris coating was applied at 21 mils DFT, followed by issuance of a 10 year material warranty. Now fully sealed and protected from leaks, these tanks are again able to maintain the highest possible quality of fuel oil for distribution to customers, and satisfying the customer by allowing them to provide the highest standard of oil fuel supply to their customers.



Restore Confidently with Silicone

Daily temperature fluctuations and long-term UV exposure that roofs are exposed to can result in tremendous strain over time. Roofs will typically fail where dissimilar materials meet at penetrations, seams and edges. Minor structural issues can cause additional challenges such as poor drainage and ponding water.

GE Enduris 100% silicone roof coating can remain stable, flexible and virtually unaffected by daily and seasonal temperature extremes. It will not become brittle or harden as the system ages. The GE Enduris system offers exceptional, long-term performance.

The unique properties of silicone provide GE Enduris Roof Coating with an array of benefits, including:

- High-solids formulation
- Waterproof
- Excellent durability
- Outstanding elongation
- One-coat application
- Limited VOC

Add Decades to Roof Life

A seamless, stable and energy-efficient coating can dramatically extend roof life expectancy, delaying the need for a costly, time-consuming replacement project.

Silicone is inherently durable and permanently flexible. Unlike acrylic, polyolefin, asphaltic and carbon-based polymer chains, silicone is completely UV stable, offering the maximum long-term performance against weather and atmospheric conditions. The entire GE Enduris roof coating system is made from the same 100% silicone, allowing it to expand and contract at the same rate, helping prevent leaks that may result in mold, mildew, wood rot and rust. A white silicone coating also reflects the sun's rays to allow better control of inside temperatures.

For over 50 years, professionals have trusted GE Silicones products to deliver durable, long-lasting building solutions. The GE Enduris roof coating system offers a fast, efficient and economical alternative to replacement.

NOTE: Performance results are those of customer reported accounts, and are not to be relied upon as typical or expected under any other circumstances. Performance results will vary depending upon a number of process-related factors. Prospective customers should rely solely upon their own evaluative techniques to determine what processing parameters are attainable and optimal to their specific needs. Further note that GE Silicones are not endorsed by or affiliated with any ownership authority of the Melones Oil Terminals.

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