

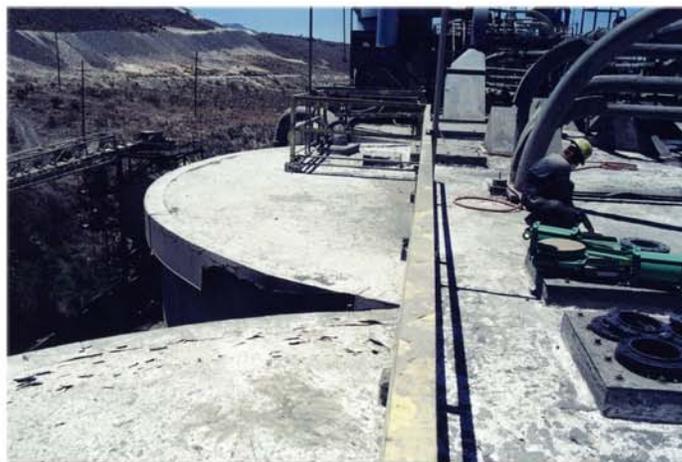
Case Study #30: Concrete Concrete storage silos

Diagnosis:

Mitsubishi Mining Company in Lucerne Valley California had a big problem. The storage silos for their finished cement products had leaks. Water seepage into almost any material is not good especially cement storage silos. The leaking water made the powdered cement turn into... concrete.

In one of the storage silos, the leaks were so bad that the lower section of the silo was littered with chunks of dried cement. Upon further investigation, a piece of cement as big as cars was found inside the silo. This piece was so big that dynamite and jackhammers had to be used inside the silo to break it down into smaller pieces before they could be removed.

This situation was costing Mitsubishi Mining a lot of down time and money. They needed a solution that would stop the leaks and stand up to the harsh environment of the hot desert and mining conditions.



Results:

The system used was the Energy Seal Coatings full fabric system. This system was applied on top of a cured, rubberized emulsion. As an added safeguard, after the Acu-Shield acrylic coating dried a coat of Acu-Flex Hydro was applied to protection against future leaks. This roof coating system will reflect up to 90% of the sun's UV rays and protects the silos from the hot desert sun.

Once the roof coating system was complete, a walking deck was installed to allow for high foot traffic and personnel safety.

The job came in on time and on budget!

Have you checked your roof lately?



Energy Seal Coatings
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When installed properly, this product can help reduce energy costs. Actual savings will vary based on geographic location & individual building characteristics. Consult your product manufacturer, roofing contractor or call EPA's Energy Star Hotline at 1-888-STAR-YES for more information. The ENERGY STAR logo is a trademark of the United States Environmental Protection Agency. As a Charter Member, Advanced Coating Systems has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

