

## *Project Profile:*

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|------------------------|---|-----------------------------|---------------------------------------|
| <b>Project Name</b>    | <b>Minute Maid Park, home of Houston Astros</b>       | <b>Specification</b>        | <b>Gaco Western WV-64-U</b>           |
| <b>Location</b>        | <b>Houston, Texas</b>                                 | <b>Area Manager</b>         | <b>Dan Rasberry</b>                   |
| <b>Type of Project</b> | <b>Water Tank Lining with GacoFlex LM-60 Urethane</b> | <b>Problem to be Solved</b> | <b>Waterproof large chiller tanks</b> |

## **Houston Chiller Tank Station Needs Some Heavy Duty Waterproofing To Keep Baseball Fans Comfortable**

The new home of the Houston Astros, Astro's Field, was designed with a retractable roof to allow baseball fans to be comfortable, rain or shine. But, even when the roof is closed, Astros fans have to cope with the hot, muggy Texas weather.

**“Two million gallons of water and no leaks!”**

To cool the stadium when the roof was closed, Reliant Energy, a division of North-wind Houston, built a gigantic chiller tank station four blocks west of the ballpark. Two chiller tanks hold a total of 2,000,000 gallons of water. The water is super-cooled to just above the freezing level, and the chilled water is pumped through a network of pipes inside the stadium, cooling the ambient temperature.

The architect specified Gaco Western's LM-60 and PolyFoam 275 to line and insulate the chiller tank. GacoFlex LM-60V for vertical application, and



GacoFlex LM-60H, for horizontal application, offer flexible, long-lasting protection for potable water tanks.

First, the contractor primed the tank walls and floor with GacoFlex E-5320 epoxy primer. Ninety mils of GacoFlex LM-60H was applied to the base slab. The surface was covered with protection board and a 3-inch concrete wear surface. Two inches of PolyFoam 275 spray polyurethane foam were then applied to the walls of the tank, and the cured foam was topped with GacoFlex LM-60V, applied at the rate of 60 mils.

The chiller tank station was completed in 1999. The tanks are fully operational, and completely leak-free.

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