

Concrete Leak Seal in Hospital Parking Garage Causing Grease Leakage onto Physician's Vehicle

ID: 10107

Industry: Buildings & Structures

Customer Location: Houston, TX

Application: WPA-Wall Problem Areas

Application Date: November 2025

Substrate: Concrete

Products: Belzona 1212, Belzona 3121 (MR7), Belzona 9611 (ES-Metal)

Problem

In the prominent medical center of Houston, TX, one Hospital facility has an underground parking garage below one of the building towers on their campus. The garage is used by everyone from patients to employees. One location in the garage, has a crack in the ceiling, that has grease dripping through it. It happened to fall right onto a Physicians vehicle in a reserved parking spot. This caused an issue between the Physician and Hospital, and needed immediate repair.



Long crack in the ceiling of the garage, before image.



Belzona 9611 and 1212 used to composite patch crack and stop the active leak.



Belzona 3121 and 9331 applied to patch the crack and perimeter seams.



Entire ceiling area sealed with Belzona 3121 and 9331

Application Situation

The Belzona solution provided a quick leak sealing repair for the valued customer. This saved them from the cost of a potential lawsuit. Also, the smell was terrible in the garage from the old grease dripping through the crack, and the leak left stains on the ground creating a slip trip and fall hazard. The customer leans to use Belzona for repairs like this when they are unique leak sealing applications and they need a quick cost effective repair.

Application Method

1. We hung sheets of poly and taped them to the ceiling & floor to create a containment. This protected cars in the garage and helped with cleanup.
2. We used a hand held grinder with 4.5" turbo cup diamond grinding bit to prep the concrete. The grinder had a dust collection attachment to help lower dust in the working area.
3. During prep, the slow dribble leak become more constant. Belzona 9611 was used to plug active leaks. Belzona 1212 was used to rebuild and seal.

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ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

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4. Belzona 3121 and 9331 were applied in 6" wide sheets to patch the cracks and joint at the perimeter of the ceiling area.
5. Belzona 3121 and 9331 were applied onto the entire ceiling area.

Belzona Facts

This application potentially saved the customer from tens of thousands of dollars in lawsuit bills, and created a safer environment for patients and employees. Our ability to turn key this repair, our wide range of Belzona products allowing us to handle active leaks, Belzona's trusted reputation with the customer, and cost effective quick repair are what led them to executing this project.

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