

# Parking Garage Expansion Joints

ID: 9487

**Industry:** Buildings & Structures

**Customer Location:** Knoxville Tennessee

**Application:** GSS-Gaskets, Seals and Shims

**Application Date:** May 2023

**Substrate:** Concrete

**Products:** Belzona 4521 (Magma-Flex Fluid), Belzona 4911 (Magma TX Conditioner)

## Problem

The expansion joints were leaking water into storage rooms underneath the parking garage when it rained.



Close-up of the expansion joint. Finished application. needing repair.



This is a pic of before the work was done.

## Application Situation

By using Belzona, the expansion joints will last longer than ordinary joint filler. Also, the items stored in the storage rooms underneath the expansion joints will not have water damage.

## Application Method

The old material in the expansion joints were removed. Then the joints were taped off. Then new backer-rod was placed in the joints. Then the conditioner ( Belzona 4911) was applied. Then the Belzona filler (4521) was applied to fill the joints.

## Belzona Facts

Belzona was chosen because of the relationship the Director of Engineering had with the Belzona rep. He had confidence in the material and the voice of the rep.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

[www.belzona.com](http://www.belzona.com)

**BELZONA**  
Repair • Protect • Improve