

THERMAL EXPANSION/CONTRACTION IS NO MATCH FOR BELZONA

ID: 325

Industry: Pulp & Paper

Customer Location: Pulp and paper company in Alabama, U.S.A.

Application: VPF-Valves, Pipes and Fittings

Application Date: 1994

Substrate: Cast iron and steel.

Products: * Belzona® 4211 (Magma-Stop) ,
* Belzona® 2131 (D&A Fluid Elastomer) ,

Problem

The concrete has a different coefficient of thermal expansion/contraction than the metal pipe. The result of this difference, is the erosion of the metal pipe at the interface, and subsequent leaks.



Photograph Descriptions

- * View of pipe leaking at the floor penetration ,
- * Repair completed with Belzona® 4211 (Magma Stop) and Belzona® 2131 (D&A Fluid Elastomer) ,

Application Situation

Steel wastewater process pipe through concrete floor.

Application Method

The application was carried out in accordance with Belzona Know-How System Leaflets VPF-11b and FPA-7.

Belzona Facts

Belzona® 4211 (Magma Stop) was used to stop the active leak, without interrupting the process flow. Once the leak had been stopped, Belzona® 2131 (D&A Fluid Elastomer) was used to encapsulate the repair perimeter and absorb the movement of the two substrates. It is a good idea to rough cut around the perimeter of the Belzona repair and pour the elastomer in this joint to allow for movement.

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

ISO 9001:2015

Belzona products are

FS 695214

manufactured under an ISO

ISO 14001:2015

9000 Registered Quality

EMS 695213

Management System.

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