Know-How *in Action*

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THERMAL EXPANSION/CONTRACTION IS NO MATCH FOR BELZONA

CUSTOMER
Pulp and paper company in Alabama, U.S.A.

APPLICATION DATE
1994

APPLICATION SITUATION
Steel wastewater process pipe through concrete floor.

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.

PRODUCTS
Belzona® 4211 (Magma-Stop)
Belzona® 2131 (D&A Fluid Elastomer)

SUBSTRATE
Cast iron and steel.

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

BELZONA FACTS
Belzona® 4211 was used to stop the active leak, without interrupting the process flow. Once the leak had been stopped, Belzona® 2131 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.

PICTURES
1. View of pipe leaking at the floor penetration
2. Repair completed with Belzona® 4211 and Belzona® 2131

1.

2.

ISO 9001:2008
Q 09335
ISO 14001:2004
EMS 509612

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

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