

Belzona SuperWrap II Applied on a 58" Flare Line at a Petrochemical Plant in Saudi Arabia

ID: 10072

Industry: Chemical & Petrochemical

Customer Location: Rabigh, Saudi Arabia

Application: VPF-Valves, Pipes and Fittings

Application Date: November 2025

Substrate: Carbon steel

Products: Belzona 1983 (SuperWrap II), Belzona SuperWrap II

Problem

The 58" flare line had experienced significant wall-thickness loss, posing a serious risk to its structural integrity.



A 58" flare line in a petrochemical plant had suffered significant wall-thickness loss, compromising its structural integrity.

General overview of the flare line structure.

Application of the Belzona SuperWrap II system in progress.

Completed application of Belzona SuperWrap II on the flare line.

Application Situation

The 58" flare line had suffered significant wall-thickness loss, posing a risk to its structural integrity. To restore and reinforce the system, Belzona SuperWrap II was applied, providing a durable, long-term solution.

Application Method

Using Belzona 1983 (SuperWrap II) resin with Belzona 9381 carbon fiber reinforcement sheets, the repair restored the flare line's integrity and ensured a durable, long-term solution.

Belzona Facts

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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Using Belzona 1983 (SuperWrap II) resin in combination with Belzona 9381 carbon fiber reinforcement sheets, the repair successfully restored the flare line's integrity and provided a durable, long-term solution. This innovative application not only extended the service life of the flare line but also enabled the refinery to achieve significant cost savings and avoid an unplanned shutdown.

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