

Internal Girth Weld

Challenge

Issue

Protecting internal weld zones of high temperature sea water transmission pipelines.

Goals

- Effectively coat and protect the ID of girth weld and cutback in new pipeline
- Allow post application holiday inspection
- Provide superior adhesion on commercial blast substrate
- Promote efficiency by reducing scale build up in the pipe ID at the weld zone

Solution

Preparation

- Internally locate weld band with pig
- Sweep blast to remove flash rust

Application

- 1. Stripe coat and feather weld zones with ARC 858 (40-60) mils
- 2. Apply 2 coats ARC S2 at 10-15 mils (250-375 µm) per coat

Results

Client Reported

- The pipe laying and girth weld coating process was completed 30 percent faster than with traditional coating systems
- Estimated Savings:





Pipeline



Internal uncoated girth weld

\$=USD



Completed ARC 858/S2/S2 system

Technical data reflects results of laboratory tests and is intended to indicate general characteristics only.

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