

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



Pipeline

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



Internal uncoated girth weld

Results

Client Reported

- The pipe laying and girth weld coating process was completed 30 percent faster than with traditional coating systems
- **Estimated Savings: \$200,000**

\$=USD



Completed ARC 858/S2/S2 system