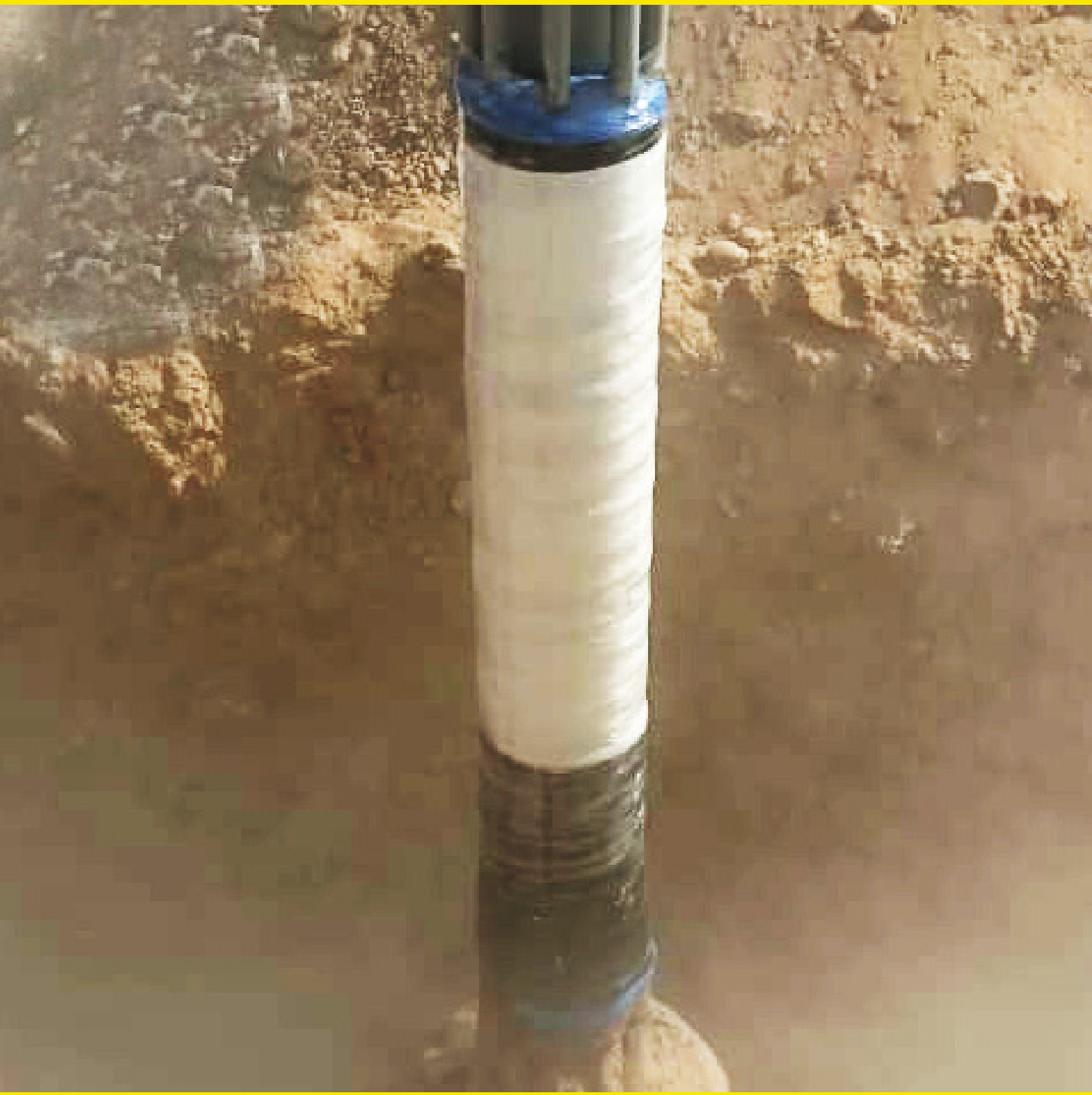
Case Study

Viscotaq Viscous Elastic Wrapping (Viscopaste, Viscowrap HT, PVC & PU composite wrap) on Soil to Air Riser



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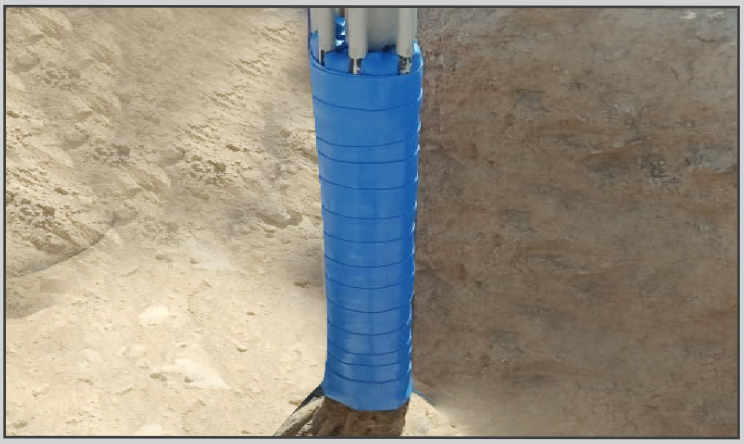
1 Surface Preparation

Pipeline suffered severe external corrosion. Surface preparation up to St2

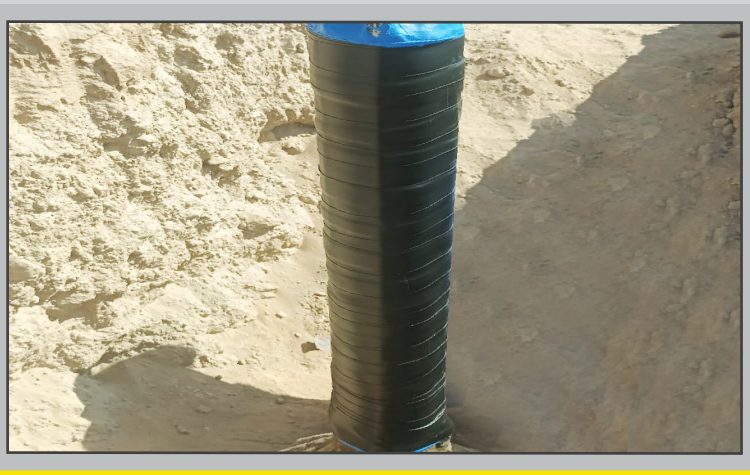
2 Viscotaq® Viscopaste Application

Apply Viscotaq® Viscopaste over the welded area and uneven surface.



3 Viscotaq® Viscowrap Application

Viscotaq® Viscowrap HT is applied by removing the release liner and placing adhesive side on the pipe. Initial wrap should be a straight circumference wrap. Once initial straight circumference wrap is completed, wrap with slight tension and a minimum 1/2" overlap.



4 Viscotaq® PVC Outerwrap Application

Outer Wrap should be wrapped with tension and a minimum of 50 % overlap. First wrap and termination wrap should be a straight circumference wrap

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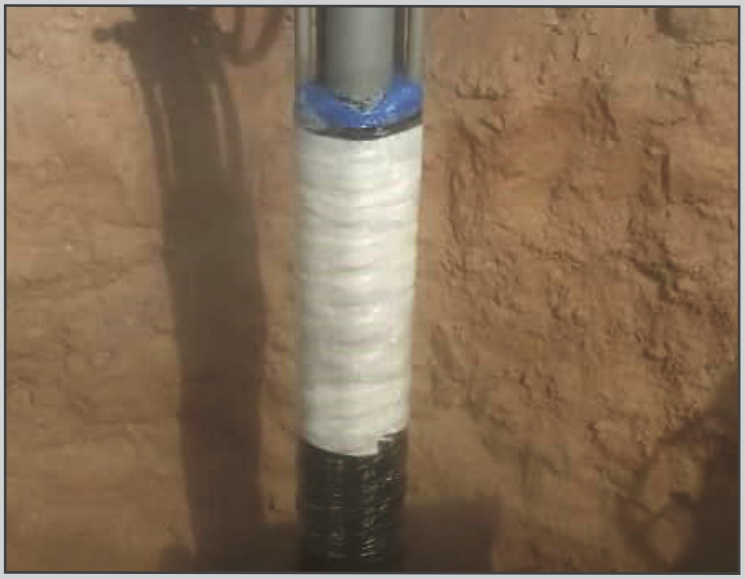
5 Viscotaq® PU Composite Wrap Application

As an additional mechanical protection, Viscotaq PU polyurethane layer with 66 % overlap over the PVC layer.



6 UV Resistant Top Coat

The final layer has to be painted with a UV Resistant Top Coat.

7 Design Criteria

Operating Pressure	:	60 Bar
Temperature	:	Ambient
Defect Type	:	External corrosion
Pipeline	:	Soil to Air Riser
Material	:	API 5L – X 60
Location	:	UAE