



Case Study

Viscotag Viscous Elastic Wrapping (Viscopaste, Viscowrap HT, PVC & PU composite wrap) on 42" Pipeline



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1 Surface Preparation

42" Pipeline suffered severe external corrosion. Surface preparation up to St2



2 Viscotag® Viscopaste Application

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



3 Viscotag® Viscowrap Application

Viscotag® 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 Viscotag® 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 Viscotag® PU Composite Wrap Application

As an additional mechanical protection, Viscotag 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
Size	: 42"
Material	: API 5L – X 60
Location	: UAE