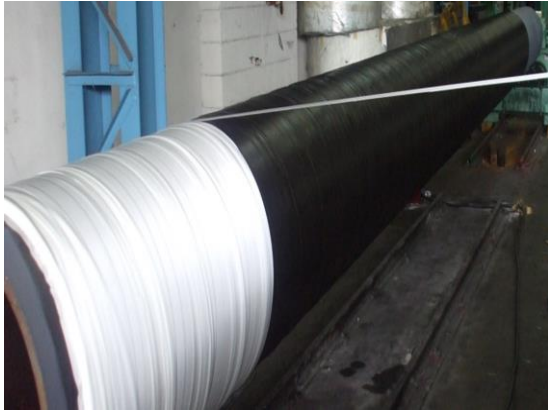


Why use coating inspection and failure analysis from ORBIT International Survey Services



Neoprene Coating inspection and failure analysis from Orbit International Survey Services LLC

Ensure your coating work is protecting your assets and prevent future coating failures. Whether your assets include the management of construction sites, factories, laboratories, shipyards or power plants, you need to be certain that your coating work is protecting your facility. Coating failures mean expensive repair costs and lengthy downtime. Our coating inspection and failure analysis helps ensure the continued protection of your facility

Why use coating inspection and failure analysis from ORBIT?

To ensure that coating work is fully protecting your facility. We provide comprehensive inspection of coating work, (neoprene coating) of the cause of any failure to help you prevent future occurrence. Our coating inspection and failure analysis helps you to:

- Assess coating on ferrous-steel, stainless steel, aluminum, neoprene coating for conformity, compatibility and performance
- Avoid expensive repair costs and down time due to coating failure such as corrosion and losing adhesive coats.

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- Avoid expensive repair costs and down time due to coating failure such as corrosion and losing adhesive coats
- Determine the cause of coating failure and prevent similar occurrences in the future

PURPOSE

Neoprene coating (polychloroprene) is corrosion protective coating for The external and internal surface. Neoprene is a family of synthetic rubbers provides good chemical stability and maintains flexibility over a wide temperature range, very good grip characteristics. It also has better stretch or elongation, flexibility, and cold temperature flexibility. Corrosion coatings protect metal components against degradation due to moisture, salt spray, oxidation or exposure to a variety of environmental or industrial chemicals

OPERATION AND APPLICATIONS:-

Neoprene coatings with anti-corrosive properties ensure metal components have the longest possible lifespan, high level mechanical protection. Neoprene well suited for demanding applications such as gaskets, hose and corrosion resistance coatings. It can be used as a base for adhesive, noise isolation in power transformer installations



NEOPRENE COATING

ORBIT also conducts periodic quality control at contractors, coating shops and manufacturers clean surface free of all scale, rust particles, oil, dirt, grease etc. although Sandblasting is the method of cleaning other methods such as wire brushing can be substituted. Apply primer and allow minimum of 1 hour drying time the primer and bonding agents shall be thoroughly mixed prior to use, primer application will begin within 30 minutes of completion of blasting and allow it to dry completely. Thickness is checked using Elcometer thickness gauge. Within two hours apply bonding agent and allow dry

Neoprene coating in an automatic coating machine. Neoprene will be extruded in to tape and applied by pressure sticking nylon tape will also be machine applied to attain uniform tension. Neoprene coating is vulcanized in steam pressure of 4kg/cm² and temperature 150°C for a period of three and half hours.



Why use coating inspection and failure analysis from ORBIT International Survey Services

OUR SERVICES

As the middle East and Asia's leading coating inspection and failure analysis provider, we are the first choice for a broad range of clients across all industries, all over Middle East and India. We offer you state of the art technology, techniques and equipment along with highly qualified technicians to bring you unrivaled expertise in the assessment of coatings. Plus, we work closely with coating manufacturers, providing quality control inspections to increase the quality of coating work.

Manufacturer installation recommendations are followed and ongoing inspection is done to ensure quality of neoprene coating

Periodic technical inspection:-

- Material inspection
- Salt contamination test
- Environmental condition
- Surface preparation by abrasive blasting
- Surface profile measurement
- Surface cleanliness check
- Coating application
- Thickness test
- Holiday detection

Technical coating laboratory services:-

- Hardness test
- Tensile test
- Compression test
- Cathodic Dis bonding test
- Abrasion resistance test
- Ozone Resistance test
- water absorption test
- Hot water resistance
- Adhesion test



Reference standard:

- ASTM D2084 : Test Method for Rubber Property
- ASTM G8 : Test Method for Cathodic Disbandment of pipeline coatings
- BS 903 :-Methods of Testing of Vulcanized Rubber
- DIN 53516 : Determination of abrasion resistance
- NACE SP0298: Recommended practice- rubber linings for abrasion and corrosion service.