



Paint Test Equipment

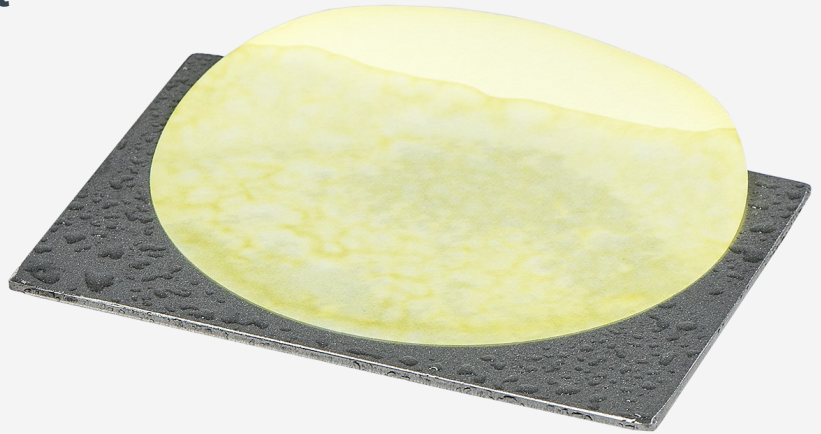


Potassium Ferricyanide Papers



Potassium Ferricyanide Test

The Potassium Ferricyanide Papers enables detection of any water-soluble iron salts that form at the bottom of rust pits after blast-cleaning. If these salts are present, they rapidly induce corrosion.



The test involves the reaction of soluble ferrous iron salts with potassium ferricyanide to form ferric hexacyanoferrate, which is commonly known as prussian blue. The relatively high tinting strength of prussian blue enables the reaction to be used as a very sensitive test on ferrous irons.

Simply spray a film of deionised water on an area of the blast-cleaned steel. The Potassium Ferricyanide Paper is then held against the surface for approximately 10 seconds. Any soluble iron salts present are drawn out of the rust pits by capillary action and react with the potassium ferricyanide to form blue spots. The presence of blue spots on the Potassium Ferricyanide Paper indicates that the surface should be re-blasted.

Specification

Paper Diameter: 90mm.

Storage: Do not expose the Potassium Ferricyanide Papers to any extremes of temperature and ensure that they are retained in their light protective pouch.

Shelf Life: We would recommend that the Potassium Ferricyanide Papers are used within a 6-month period from date of purchase.



Supply

Supplied in packs of 100 Potassium Ferricyanide Papers.



Ordering

PS102 Potassium Ferricyanide Test Papers (pack of 100)

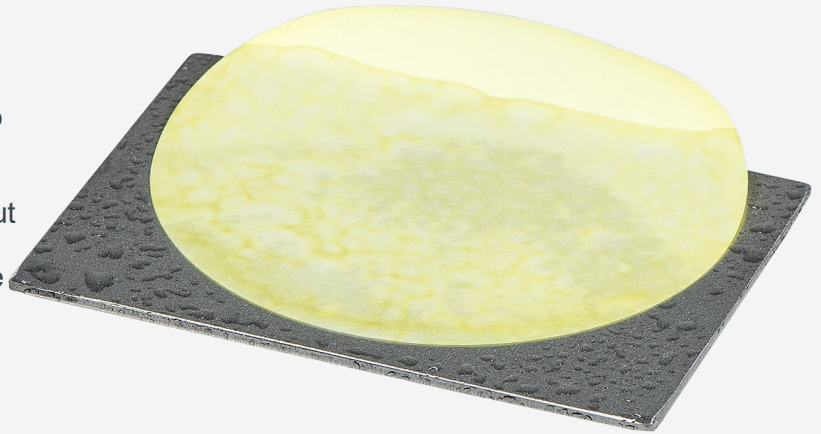
NPC07 Potassium Ferricyanide Test Papers Conformance Certificate



Instructions

Evaluation

Spray a fine mist of deionized water droplets onto a small area of the blast-cleaned surface. Allow the deionized water droplets to evaporate and at the moment that they have disappeared but the surface is just perceptibly wet, apply the Potassium Ferricyanide Paper and press onto the surface for 2 to 5 seconds.



If soluble salts remain, these will be drawn by capillary action into the Potassium Ferricyanide Paper and will react and give a prussian blue dot effect on the Potassium Ferricyanide Paper corresponding to the contaminated pits on the blast-cleaned steel.

It is important that the wetting of the surface has to be completed to the correct degree in order to dissolve the salts. Too little deionized water and this will not be achieved. Too much deionized water and there will be an overall blue colouration over the Potassium Ferricyanide Paper.



The Potassium Ferricyanide Papers consist of 90mm diameter cellulose filter papers, impregnated with a low concentration of potassium ferricyanide.

May produce toxic fumes on burning.

Wear Plastic Gloves when handling the Test Papers.

After using the Potassium Ferricyanide Papers, wash hands with soap and water.

About Us

Paint Test Equipment is a global leader in the manufacture of specialist test equipment specifically for the industrial painting and coating industries for the protection of steel assets from corrosion, mainly in the oil, renewables and steel construction sectors. We have over 30 years experience and extensive knowledge in delivering practical solutions in supporting our customers with world class products for corrosion prevention.

Prevention of corrosion on steel is essential to extend the asset lifetime, optimise performance and minimise downtime for expensive maintenance work. Using Paint Test Equipment products ensures that industrial coatings are applied to the highest achievable quality standards of ISO compliance.

We supply small, medium and multinational companies with the full range of technologies and innovations in our unrivalled portfolio of products for our customers to grow their business and enhance profits through cost effective corrosion management equipment.

Paint Test Equipment is committed to providing proactive and innovative solutions to meet customer requirements for the highest quality, user friendly inspection equipment. Paint Test Equipment is the partner of choice.

Paint Test Equipment reserves the right to alter specifications without prior notice.
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