

TECHNICAL DATA SHEET

PHOS-PREP® PP 992 SPRAY / IMMERSION WASH IRON PHOSPHATE

Use: Spray: 1 to 2% solution in water
Immersion: 1.5 to 3% solution in water

Application: PHOS-PREP® PP 992 is a liquid, light / medium weight iron phosphate operating process designed to simultaneously degrease and phosphate in one operation. The process will treat galvanised iron, steel, zinc and aluminium in mixed metal production, however, when aluminium forms a significant part of the products, addition of PHOS-PREP® PP 975 is used to increase surface activity on aluminium and white metal parts to ensure satisfactory adhesion. Certain process equipment will require PHOS-PREP® PP PHOS SEAL to be used in the water rinse to enhance protection.

To aid cleaning additions of PHOS-PREP® PP 975 will assist the removal of stubborn oils and contamination at between 0.25 to 0.75%. Typical coating weight is between 4 to 7 mg / m².

Make-up: The holding tank should be thoroughly cleaned and the working volume determined. Fill the tank ¾ full with clean water and heat to operating temperature of 40°C – 50°C. For each 1000 litres of working bath add:

10 to 20 litres of PHOS-PREP® PP 992 for spray application
15 to 30 litres of PHOS-PREP® PP 992 for immersion

Make up to the normal operating level with clean water. Mix thoroughly and heat to operating temperature.

Testing and Control: A PHOS-PREP® PP 992 working bath made up as recommended will have a pointage of 7. Typical working band is between 5 – 10 points (spray) and 7 – 15 points (immersion).

Take 10ml of the working bath and add a few drops of phenolphthalein indicator. Titrate against a 0.1N Sodium Hydroxide solution of a pink end point. Then:

Bath pointage = number of ml of 0.1N Sodium Hydroxide added

To replenish the bath, add 2 litres of PHOS-PREP® PP 992 concentrate per 1000 litres of bath volume for every point below the required bath pointage.

The working bath should be tested regularly. Small, frequent additions are recommended for consistent results rather than just one occasional large addition.

Product safety data sheet: A safety data sheet is available

PHOS-PREP® PP 992 is part of the PHOS-PREP® range of products for the treatment of iron, steel and aluminium at low temperatures.

Pre Treatment Solutions Ltd continues to improve the quality and performance of its range of products and reserves the right to modify product formulations without prior notice.



The Print Works 35a Dane Road
Coventry CV2 4JR
United Kingdom.
Tel +44(0)2475 090 133 Fax +44(0)2475 090 139
sales@pretreatmentsolutions.com
www.pretreatmentsolutions.com



JANUARY 2017