

TECHNICAL DATA SHEET

PHOS-PREP® PP 991 HIGH COATING WEIGHT IRON PHOSPHATE

- Use:** 1.5% solution in water
- Application:** PHOS-PREP® PP 991 will simultaneously degrease and phosphate with its built in detergent system.
- PHOS-PREP® PP 991 is a multi-metal process that will produce phosphate coatings on aluminium, galvanise steel, mild steel and zintec.
- Make-up:** The holding tank should be thoroughly cleaned and the working volume determined. Fill the tank $\frac{3}{4}$ full with clean water and the temperature to 45°C – 30°C.
- With the pumps circulating, add the PHOS-PREP® 991 concentrate at the rate of 19 Kgs or 15 litres per 1000 litres of final working volume. Finally top up with clean water to plant operating level.
- Testing and Control:** A PHOS-PREP® PP 991 working bath made up as recommended at 15 litres per 1000 litres will have a pointage of 5.
- The solution should be tested at regular intervals and replenished as necessary with PHOS-PREP® PP 991 concentrate.
- 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 x 0.3**
- To replenish the bath, add 3 litres of PHOS-PREP® PP 991 concentrate per 1000 litres of bath volume for every point below the required bath pointage.
- Tank Material:** PHOS-PREP® PP 991 is normally used in a two or multi-stage spray plant.
- The holding tank for the PHOS-PREP® 991 may be constructed from mild steel but pump impellers, spray nozzles and tight bend pipe work, where erosion could occur, should be constructed from stainless steel grade 316 S6.

Product safety data sheet:

A safety data sheet is available

PHOS-PREP® PP 991 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.

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