

TECHNICAL DATA SHEET

i-FIN AL PHOSPHOCHROME

i-Fin Al Phosphochrome is a twin acidic liquid product for green conversion chromating process. It is used on aluminium and its alloys for producing greenish finish on the surface. This coating is primarily used for pretreatment of aluminium painting process. This also serves as a final finishing for resistant against corrosion and decorative purposes.

OPERATING CONDITIONS

	Unit	Range	Optimum
i-Fin Al Phosphochrome A	ml/ltr	30-50	40
i-Fin Al Phosphochrome B	ml/ltr	4.5-8.0	6
Temperature	°C	25-50	35
Time	minutes	1-2	1

BATH MAKE UP

- Fill the tank with deionized water up to $\frac{3}{4}$ of its volume.
- Add the required i-Fin Al Phosphochrome A and i-Fin Al Phosphochrome B, distributing it over the whole tank surface and mix well again.
- Stir well and add deionized water up to the final volume.
- The bath is ready for operation after all the ingredients have been thoroughly mixed.

ANALYSIS PORCEDURE

1. Pipette out 5 ml of the bath solution and add 100ml of deionized water in a conical flask.
2. Add 1 gm of potassium iodide and dissolve completely.
3. Add 5 ml of concentrate HCl slowly.
4. Titrate against 0.1N sodium thiosulphate until pale yellow colour is obtained.
5. Add few drops of starch indicator and colour changes to blue-black
6. Titrate further against 0.1N sodium thiosulphate till colourless.
7. Note down burette reading. It should be between 8.5 to 15 ml.

EQUIPMENT

Tank : The tanks must be lined with a material that may be resistant to acids (e.g. PVC, polypropylene, fibre-glass, polyester, etc.)

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