

Data Sheet



The information contained in these data sheets product performance when used in their intended WIM Inc. cannot foresee all of the potential place when these products are used. Please read for more information about these products.

WIM[®] Flux Additive

WIM[®] Flux Additive from WIM, Inc is a versatile additive for improving the fluxing qualities of zinc ammonium chloride by reducing the amount of flux required in solution while sealing the fluxed steel better and reducing dross formation in the kettle.

Flux suppliers often set rates of flux usage in the range of 360 - 420 gm/L (3 - 4 lbs/gallon) zinc ammonium chloride. A preflux which contains the right amount and kind of wetting system can easily operate in a 180 - 300 gm/L (1.5 - 2.5 lb/gal) range without reducing the effectiveness of the flux. The WIM[®] Flux additive provides that kind of effectiveness and cost savings.

A preflux tank with an operating capacity of 35,768 L (9450 gallons) and using flux at a rate of 360 gms/L (3 pounds/gallon) would carry a standard inventory of 12,875 Kg (28,350 lbs) of zinc ammonium chloride. The same tank operating at the lower 240 gm/L would require 8,584 Kg (18,900 lbs) .One 208 L (55 gal) drum of WIM[®] Flux Additive is sufficient to treat 9978 Kg. (22,000 lbs) of flux .

Other benefits, aside from a better less costly fluxed article, come from the ability of the additive to seal the surface completely. Zinc ammonium chloride dries with a crystalline pattern, wetted zinc ammonium chloride will be half film/half crystals. The WIM[®] Flux additive is a simple film which protects and seals the fluxed steel.

Two things happen because of this. The steel dries faster and slips into the kettle quieter. Less zinc is spattered about the work area. The tight seal prevents excessive oxidation of the fluxed steel, even after standing many hours after fluxing. Less iron is put into the kettle which forms less dross. Plant records indicate dross reductions as high as 15% but 8-10% would be more common.

Kettles still operating with a flux blanket will find the WIM[®] Flux Additive helps keep that flux more active and frothy while reducing zinc spatter, keeping overall flux usage down.

Dose rate for 48% active liquid flux 1 ¼ gal per 100 gal. liquid flux