



Product Information

TIB Flux D

Product number 201484

TIBCHEMICALS

PRODUCT DESCRIPTION

TIB Flux D is a standard Zinc/Ammonium Chloride double salt flux for the galvanising industry. It can be used for the initial makeup and replenishment of flux baths.

TIB Flux D is formulated for efficient galvanizing by dissolving the oxide rich layer on the surface of the steel which is created as the work is immersed into the molten zinc

FEATURES AND BENEFITS

- ◆ can be used for piece, small parts, wire and general galvanizing
- ◆ excellent after pickling effect
- ◆ reduces ash production

PHYSICAL PROPERTIES

Appearance	white crystalline powder
pH in solution	4 - 5
Solubility	860 g/l

CHEMICAL CHARACTERISTICS

Composition	Zinc-Ammonium Chloride Salt
Formulae	54% ZnCl ₂ : 46% NH ₄ Cl
Others	corrosive; hygroscopic

PACKAGING

- ◆ 25 kg bags
- ◆ 200 kg drums

STORAGE

TIB Flux D has a shelf life of approximately 6 months if stored in sealed containers in a cool dry place

CUSTOMS TARIFF NUMBER

38109090

APPLICATION INFORMATION

Typical operating parameters

Temperature	20 -80 °C, preferably 60 °C
Time	4 – 5 min
pH	3 – 5.5, preferably 5
Iron	0 – 30 g/l, preferably < 10 g/l

Working concentrations

Type of work	Concentration	
	° Bé	g/l
Wire	7-13	100 - 200
Thin sheets	13-19	200 - 330
Tube / General	19-30	330 - 535
Heavy sections & forgings	30-40	535 800

Initial composition of a new tank

Density [°Bé]	TIB Flux D [kg]	Water [L]
15	248	867
20	335	825
25	430	779
30	535	726

Testing and Control

Frequent testing for pH, temperature, density and dissolved iron is essential to maintain the working bath at its optimum parameters. For an appropriate method please refer to TIB's analytical methods for Hot-dip Galvanisers

Additions

In order to increase the flux by 1°Bé per 1m³

Concentration range	Addition kg
15 – 20 °Bé	21
20 – 25 °Bé	24
25 – 30 °Bé	29

HANDLING, HEALTH AND SAFETY

Suitable protective clothing should be worn when handling the product for further information refer to the relevant MSDS