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GALVACID FLUX HSC-PF LF

GALVACID® HSC-PF LF is a concentrated solution of Pre-Flux, **for high surface conversion, free of ammonium chlorides, not typical of conventional fluxes,** which usually contain between 45% and 55% of Ammonium Chloride. This translates into an absolute improvement in the work environment, by totally eliminating toxic ammonia gases that affect the health of personnel and corrode the structures of buildings and stored raw materials.

Its properties allow the total removal of residual oxides on the steel surface, creating the appropriate substrate for continuous immersion in the molten Zinc bath. Its intrinsic surface tension properties create a film cleaning and impregnation effect that benefits the quality of galvanizing.

Its "high surface conversion capacity" results in special and unique properties at the grain level of the alloy, promoting compression of the Gamma and Delta phases, which projects shorter residence times in the galvanizing tank; and, therefore, control of the zinc layer (downward) and consequently increased production, both in "batch" (discontinuous) and continuous processes.

Its formulation is not limited to Zinc salts, necessary for the chemical reactions involved, since it also has characteristics that limit the growth of ferrous concentrations in the solution, significantly reducing the generation of Zinc waste.

The concentration - Specific Gravity correlation recommended varies between 15 and 25 ° Bé, for continuous processes (Continuous rolling) and discontinuous (Batch: Pipes and metallic structures), in the case of continuous galvanized Wire, the concentration - Specific Gravity correlation recommended varies between 15 and 6 ° Bé.

The working solutions with GALVACID® HSC-PF LF can be used permanently in the Pre-Flux tank, with the respective level replenishments; In parallel, if required, they can be subjected to a conventional iron content removal process, under standardized procedures, which can be consulted through our technical customer service department.

TECHNICAL SPECIFICATIONS

COMPONENT	**% WEIGHT**
Zinc Chloride	20.00 ~ 65.00%
*Hydrochloric Acid**	0.01 ~ 0.5
*Organic Compounds***	< 4%
Specific Gravity*	1.2 ~ 1.7
pH*	1 ~ 3.5

These parameters are adjusted based on the evaluation of the process and the type of parts and / or material to be galvanized, and other parameters may be added, depending on the needs of the customer's production process.