riag Oberflächentechnik AG · Postfach 169 · CH-9545 Wängi TG

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Additive AB new

Additive for static rinses against brown discolouration

Additive AB new prevents the discolouration of EN layers after plating. The EN layers remain metallic blank, even if the goods stay in the static rinse up to 30 min. and at temperatures up to 30 °C.

Make up of the static rinse

Circulation or town water (fresh)	98 Vol.-%
Additive AB new	2 Vol.-%
Temperature	max. 30 °C
pH-value	4 – 6

The static rinse tank is filled with water to approx. 90 % of the intended end volume. While stirring add the required amount of **Additive AB new** and top up to the end volume. The pH value should now be between 4 to 5.

Bath maintenance

If the pH value is lower than 3 or higher than 7 a discolouration may happen, depending on time temperature. Should the pH value be out of the given range, caused by special production conditions, add diluted hydrochloric acid or caustic soda to adjust it.

Important note

Because of the special formulation of **Additive AB new** it is absolutely necessary, that no rinse water will be dragged out in a **DNC – electrolyte**. Such dragout will lead to a clearly slower plating speed, which is not reversible.

Waste water treatment

Static rinsing water contains nickel. It must be decontaminated and neutralised before disposal in the drain outlet to the sewer system.

Possible hazards and safety precautions

These details can be found in the material safety data sheets.

All **DNC – process** chemicals should be stored between 10 and 25 °C.
If excessive cooling should cause partial crystallisation of the solution, warm it up to > 20 °C (stirring is recommended).

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