



TECHNICAL DATASHEET

FREEPASS 3550

Trivalent Yellow Passivation

FREEPASS 3550 is a liquid concentrate without hexavalent chromium or oxidizing agents. Freepass 3550 exceeds corrosion protection standards (neutral salt spray). Freepass 3550 is formulated to produce coatings with a clear yellowish/pink/greenish colour.the passivation layer is easily inkable with organic dyes.This product has a long service life and also can be determined analytically and adjusted.

CONTAINS NO HEXA VALENT CHROMIUM

Application for 100lt bath

make-up value	Freepass 3550 10 liters (8-12,5 l)
temperature	50 °C (40-60 °C)
pH-value	1.8 (1.7-2.1)adjust with nitric acid or sodium carbonate
application time	45 s (30-60 s)
tank material	steel with acid resistant plastic or rubber coating
agitation	rack agitation or air injection
hints	FreePass 3550has a potentially unlimited service life; the limiting factor is the iron concentration. Depending on the make-up concentration the critical value is between 200 and 500 ppm. At high loading by incompletely zinc plated parts (e.g. long tubes), the addition of iron inhibitor FreePass 3550A is recommended. Freepass 3550 is also sensitive against lead impurities (do not use lead as weight for air blowing tubes!)

Wastewater treatment:

All the wastewater and disposal must be treated due to local regulations.

Health and Safety

Material Safety Data Sheets are available for all GALVANO MONDO products, they are normally issued with relevant quotations and Technical Data Sheets. They explain hazards associated with the product following classification by European Statutory Requirements. Normally more than one product will be used in a process. Risk evaluation of the process is the users responsibility because the user controls men, materials, methods and machines. The user must consider all of the substances present in the solution, whether they present a risk to people and the environment, whether abatement measures are needed.



Galvano Mondo
surface treatment & finishing systems

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