ALBILEX®
INNOVATIVE CLEANING **CHEMICALS**

Antitarnish-A-100 PRO-KIT

User Manual – Abstract

Set-up of **10 liters passivation solution** for the **electrophoretic process**

- Warm up **100 ml**-bottle of **Antitarnish-A-100** to 45-50°C.
- Warm up 9.9 liters of deionised water to 45-50°C in a tank (i.e. propylene or glass).
- Shake thoroughly warmed up bottle of Antitarnish-A-100 concentrate and pour out the passivation concentrate in 9.9 liters of deionised water.
- Stir this solution for 5 min and keep solution temperature at 45-50°C (optimum: 50°C).
- Put 25-50 g **A-100 PRO-SALT** into 10 liters solution and dissolve by stirring.
- Adjust the pH-value of the passivation solution with sodium hydroxide to **pH 3.7**.
- The **10 liters** of **Antitarnish-A-100 PRO-KIT** passivation solution are now **ready for use**.

Passivation process by electrophorese

- Use platinised titanium anode or mixed metal oxide coated titanium anode and apply a voltage of **3.5-5.0 V** to passivation bath.
- Dip workpieces into softly agitated passivation bath.
- Take out workpieces after **5-7 min**.
- Do preferably (first) rinsing in cold (= room temperature) deionised water.
- Do necessarily (second) rinsing in 60°C warm deionised water.
- Dry workpieces with hot air (max 60°C) or put workpieces in oven (max. 60°C).
- Workpieces are passivated and protected against tarnish, discoloration and oxidation processes.

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