



WILAPLAT Titanium Processing Treatments

Titanium Colouring Electrolyte

Article No. 3030400102

Description

The Titanium Colouring Electrolyte is used for the anodic oxidization of pure titanium and several titanium alloys. In addition to the diversity of the obtainable colours, the artificially formed oxidation layer is considerably stronger and accordingly more wear-resistant.

Application

Titanium work pieces, which have been ultrasonically cleaned and pickled (Titanium Pickling Solution Article No. 3030400202, 3030400302 and 3030400402) are hung on a titanium hook and the electrical contact established by attaching to the anode rod of the WILA Titanium Colouring Unit II. Upon completion of the colouring process, the work pieces must be thoroughly rinsed.

It is absolutely essential to avoid drag out.

Operating Data

Temperature	Room Temperature (18-25°C)
Colouring Time	30-180 seconds
Voltage*	10-120 volts
Anodes	Platinized titanium

Colours

Colouring Scale (in volts)*

10-15 brown	70-80 pink
20-25 lilac	85 pinkish blue
3—35 bright blue	90 turquoise
40 silver blue	95 green
55 yellow	100 bright green

*The voltage values in this scale are to be taken as guidelines only, as they may vary in actual event.

Supply Form

Ready for use

Regeneration

Not possible

Warning

Chemicals and materials used in electro-plating techniques can be corrosive or poisonous. During use, storage, transportation and disposal the relevant guidelines must be observed.

For further information see The EEC Safety Data Sheets