

Tin(II)-sulphate solution

Tin(II)-sulphate solution is the metal salt component for preparation and correction of an Alficolor two-step colouring procedure on tin-basis for color shades ranging from light to dark bronze and black.

The liquid formulation can be dosed automatically.

Tin(II)-sulphate solution is used for colouring together with a suitable Alficolor stabilizer (like e.g. Alficolor 693, Alficolor 697 or Alficolor 699) and sulphuric acid.

Characteristics	Initial quantity for a two-step colouring bath	approx. 82 g/l tin(II)-sulphate solution 25 g/l Alficolor stabilizer approx. 18 g/l sulphuric acid (density = 1.84 g/ml)
		(see paragraph on procedure and maintaining concentration)
	Density	approx. 1.2 g/ml
	Expiry date tin(II)-sulphate solution	6 months

The action of the product is strongly influenced by the type of material and surface quality of the parts. Therefore, the optimal operational parameters may lie outside the indicated standard areas in individual cases.

Safety precautions Please observe the usual safety precautions for handling chemical substances. Classifications according to the statutory regulations for transport, storage and handling of the product and other product-specific instructions are included in the safety data sheet. Bath solutions, rinse water and concentrates must be treated according to the applicable regulations before entering the sewage system.

Procedure and maintaining concentration For detailed information about colouring parameters and analysis procedure please see product data sheet of the used Alficolor stabilizer. Additions of tin(II)-sulphate solution should be done based on colouring bath analysis.

We will be glad to give you advice in this area and to send you relevant informations.

Modified 2021-03-23 (ts). This With this version all prior versions are in valid. The information is provided according to the best of our knowledge and conscience at the time of printing and it reflects our experience in the laboratory and in practice. These are standard values which are however, not binding and must be adjusted to specific requirements.

Since the use of our products is not subject to our influence we can only accept liability for the standard of flawless quality at the time of delivery. We can recognise consequential damages only if this has been agreed upon in written form before use of the products and if the guaranteed property was explicitly mentioned.