

iSys AG

Character	Textile auxiliary with bacteriostatic effect
Chemical Character	Formulation based on silver chloride
Appearance	White viscous liquid
Ionic Character	-
pH Value of a 10 % Solution	5.7 – 7.9
Specific Weight at 20 °C	Approx. 1.0
Stabilities	<p>iSys AG is stable to hard water, acids, alkalis and electrolytes in the usual industrial concentrations.</p> <p>Usually, iSys AG can be easily combined with the products applied in finishing. However, preliminary tests to check the bath stability are recommended.</p> <p>iSys AG is highly sensitive to frost; after the impact of temperatures around the freezing point irreversible changes will occur.</p> <p>iSys AG and its liquors have to be protected from light exposure.</p> <p>iSys AG is sensitive to temperatures as of 40 °C.</p>
Stability	If stored in closed original containers, the product will hold for at least 12 months.
Storability	Protect from light.

The above given values are product describing data. Please consult the 'delivery specification' for binding product specifications. Further data about product properties, toxicological, ecological data as well as data relevant to safety can be found in the safety data sheet.

Please note:

Use biocides safely. Always read the label and product information before use.

Properties

Application of iSys AG is for industrial use only. It is applied for the bacteriostatic finishing of textiles by padding. The product offers the following advantages:

- good bath stability
- low yellowing
- no impact on the handle
- very good bacteriostatic effect with a low application amount

Application Technique

Dilution Instructions

iSys AG is miscible with water at any ratio. Soft water has to be pre-set first and iSys AG is added while stirring to guarantee a good product distribution.

Note: The product must be stirred for 15 min before removal from the drum!

Application Fields

iSys AG is applied for the bacteriostatic finishing of textiles. The product is universally applicable in the field of sportswear, outdoor clothing, functional underwear, workwear, home textiles and technical textiles.

Recipe Proposals

The application quantities of the products in a recipe depend on many parameters such as the fibre type (e.g. PES, PA or CO), technical application possibilities (e.g. liquor pick-up and demands (e.g. wash fastness. To determine an optimal recipe for a specific application preliminary trials have to be carried out.

Standard recipe for the padding process optionally with binder

0.5	-	3.0	g/l	iSys AG*	
15.0	-	50.0	g/l	ARRISTAN CPU or ARRISTAN SAC 10 FF optionally	
20.0	-	40.0	g/l	TUBINGAL HWS	
pH value:				5.5	
Liquor pick-up:				100 %	
Drying:				120 °C	
Fixation:				170 °C, 30 sec	(Only necessary if ARRISTAN SAC 10 FF is used)

Standard recipe for the exhaust process

0.05	-	0.3	%	iSys AG*
2.00	-	4.0	%	TUBINGAL RGH
pH value:				5.5
Liquor ratio:				1 : 5 - 1 : 10
Temperature:				40 °C
Time:				20 min
Drying:				120 °C

Standard recipe for the exhaust recipe for yarn

0.05	-	0.3	%	iSys AG*
2.00	-	3.0	%	LUSTRAFFIN AS
pH value:				5.5 – 6.5
Liquor ratio:				1 : 5 - 1 : 10
Temperature:				40 - 60 °C
Time:				20 min
Drying:				as usual

Due to the sensitivity to light we recommend processing liquors containing iSys AG furthermore as quickly as possible. A prolonged storability should be avoided.

- *) The maximum application amount of 3.0 g/l iSys AG (related to 100 % liquor pick-up) respectively 0.3 % in the exhaust process must be observed. Please do not overdose iSys AG, otherwise the perspiration light fastness properties may be impaired.

Waste Disposal

The packaging units have to be emptied completely. The legal requirements for the waste disposal have to be observed.

We reserve the right to modify the product and technical leaflet.

Our department for applied technique is always at your service for further information and advice.

Our technical advice and recommendations given verbally, in writing or by trials are believed to be correct. They are neither binding with regard to possible rights of third parties nor do they exempt you from your task of examining the suitability of our products for the intended use. We cannot accept any responsibility for application and processing methods which are beyond our control.

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