

## elam 109

GreenScreen® certified



**elam 109** is an amine free softener preventing ozone fading

### Physical and chemical characteristics

Composition:	Compound with fatty acids derivatives
Appearance:	White/yellowish liquid
Ionic charge	Cationic
pH:	4,5 $\pm$ 1
Solubility in water:	Easily dispersible under stirring
Stability to pH variations:	Avoid the use in strong alkaline or acid conditions
Compatibility:	Compatible with cationic and non-ionic products and incompatible with dyes and anionic products. It is always advisable to perform preliminary tests to check the compatibility with products or chemicals other than the ones here suggested.
Storage:	Stable in normal storage conditions for at least 12 months, kept in its original packaging hermetically sealed.

### Applications

**elam 109** is a softener used as ozone fading inhibitor, amine free and with antistatic properties.

**elam 109** is suitable for any kind of fiber. It is applied to perform high quality finishes, delivering soft hand feel, not fat and very draping.

**elam 109** avoids yellowing and provides protection against ozone fading. These properties make it particularly suitable for the finishing of light dyed or white garments, but also on denim fabric that have previously undergone bleaching treatments.

### Conditions of use

**elam 109** can be easily diluted in water at any concentration, preferably with soft water.

**elam 109** can be applied both by padding and by exhaustion, either in hard or soft water, even if the best results are achieved by working with soft water.

Add **elam 109** directly to the bath, treating for 10 –

15 minutes at temperatures of 30°C – 40°C and eventually adjusting the pH at about 6, by adding of acetic acid, if necessary.

### Dosages

Dosages can vary depending on kind of fabric, applications conditions and desired final hand feel.

When applied by exhaustion, suggested indicative dosages ranges from 2% to 5% on goods weight, adding the product directly to the bath.

### Notes

It is always advisable to run preliminary tests to verify in advance the possibility to achieve the final required results, taking into consideration type of fabric and employed processes.

For details about recommended dosages and methodology to follow for a correct product application in conditions different from the ones here mentioned, we kindly invite our Customers to contact our Technical Assistance Service.

*We kindly ask the Customers to get in touch with our Technical Assistance Service for anything not expressly reported in this booklet.*

This booklet integrates the safety card without substituting it. The information refers to the knowledge of the product on the date of shipment. This product must be kept, handled and used according to the safety and hygienic regulations of a fair industrial practice and according to the laws in force. Considering the many possibilities of use and the eventual interference due to causes not depending on the distributor, it is not possible for us to assume any responsibility about the reported instructions. The technical information contained in this booklet is the result of accurate and extensive research. However it must be considered as indicative only, to be adapted to single cases, without warranty on our part.