Garmon

legaflex zero

GreenScreen® certified

***legaflex zero* is a formaldehyde-free bleachable resin for durable 3D effects**

Physical and chemical characteristics

Composition:	Formaldehyde free modified glyoxalic derivative
Appearance:	Yellowish/colorless limpid liquid
pH solution 10 g/L:	3,5 ± 1
Ionic charge:	Absent
Solubility in water:	Soluble at any concentration
Compatibility:	Wide compatibility with hand modifiers and with other products of any charge. If used with cationic softeners, it is recommended to perform preventive tests of stability. Generally, it is always advisable to preliminarily check the compatibility with other products or chemicals.
Storage:	Stable for 12 months in normal storage conditions, kept in its original packaging hermetically sealed. Avoid stasis near heat sources.

Applications

legaflex zero is a formaldehyde free reactive resin, able to cure at low temperature and suitable to achieve 3D effects, which are easily bleachable with sodium hypochlorite, on garments in cellulosic fibers or its blend.

legaflex zero is self-catalyzed and guarantees good wrinkle effects, permanent even after repeated washing.

Garments treated with *legaflex zero* can be heavily bleached to light shades with spot-free look and avoiding darker hues on 3D areas.

It is possible to use *legaflex zero* in combination with other polymers in order to achieve 3D effects with different look. In this case, the addition of other products may affect bleachability.

legaflex zero does not contain formaldehyde in its formulation and this makes the product particularly suitable for the realization of final 3D effects, free from residues of substances hazardous for human health.

Thanks to its physical and chemical properties, *legaflex zero* meets the requirements to properly perform *nimbus* processes, which are applications through nebulization in self-contained systems.

Conditions of use

legaflex zero can be dried and cured at low temperature. Polymerization can be performed starting from 100°C and up to 140°C.

Once *legaflex zero* has been applied and the 3D effect has been realized, an adequate drying must follow, before proceeding with the polymerization. Curing have to be performed for a time and at a temperature that can vary according to the type of fabric. Times of 15 – 20 minutes at temperatures not exceeding 140°C are recommended.

legaflex zero is easily dilutable in cold water by briefly stirring.

Dosages

legaflex zero is applied by spray or dipping, at dosages that can vary depending on the type of fabric and application conditions.

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Suggested indicative dosages are the following:

- by spray 15% – 25%
- by dipping 15% – 20%

We recommend to contact our technical support service for advices on the possibility of combining *legaflex zero* with other products.

Notes

Because of its chemical nature, the application of an excessive amount of *legaflex zero* can reduce fabric mechanical strengths. Therefore, it is advisable to always carry out preventive tests to verify the possibility of achieving required results or modify dosages of use, if necessary. Pay special attention in case of applications on lightweight or elastomer containing fabrics, with which dosages should be limited to minimum suggested values.

At above suggested conditions, excellent cross-linking is obtained, with minimum yellowing or shade changes. In case of use, we recommend to choose optical brighteners and dyestuffs resistant to this type of finishing and preliminarily verify achievable results.