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Associazione Tessile e Salute
Azienda associata

p.IVA 00736390964 C.F. 02639210158 c.c.i.a. Milano n. 927455 Codice ISS azienda 00736390964

GAMMAFIX MBF CONC.

Cross-linking agent for finishing technical textiles, for synthetic fiber materials; it produces a rigid, resilient finish.

Chemical Nature: modified melamine compound

Physical form: colorless, transparent, moderately viscous liquid

Storage: can be stored in original sealed containers at temperatures between 5 and 30 ° C for at least 12 months. Once the containers have been opened, the contents must be used quickly. The containers must be properly closed after each use.

If stored at temperatures below 10 ° C, the product may become cloudy and its viscosity may increase.

Property

GAMMAFIX MBF CONC. it dissolves very easily in water.

If the product has become cloudy because the storage conditions were too cold, it can be dissolved usefully as follows:

Pour 1 - 2 parts of water to approx. 80 - 90 ° C for 1 part of product. The clear solution obtained after short stirring can then be further diluted with cold water, as required.

compatibility.

it is compatible with most finishing agents. If several products need to be mixed together, it is advisable to test it for advance compatibility.

Because the acidity of the finishing bath increases, the stability of the liquor decreases.

GAMMAFIX MBF CONC can not be used in strong acid baths.

If large amounts of cross-linking agent are used in combination with catalysts, especially with ammonium chloride, the stability of the liquor will be greatly reduced.

Application

Scope of application: finishing of industrial textiles

Finishing effects

- rigid resilient finishing of garments and knitted fabrics made of synthetic fibers
- Crosslinker component to optimize the effects of oil and water repellency
- Finishing effects are largely resistant to washing and resistant to dry cleaning.

application doses

20-200 g / l of GAMMAFIX MBF CONC.

pickup 30-90%, depending on the type of goods.

pH of the final solution should be about 5.0.

Drying is normally carried out in the temperature range 120-130 ° C. The crosslinking starts just above 130 ° C.

Condensation: 4-5 minutes at 150 ° C or 30 seconds at 180 ° C



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If the condensation temperature is measured directly on the goods, it is advisable to make the condensation conditions slightly lower than described above.

Conventional catalysts for dry crosslinking, are magnesium chloride and Ammonium chloride.

Application doses

Magnesium chloride crystals: recommendation: 20% (on the quantity of cross-linker)

Minimum quantity: 5 g / l - Maximum quantity: 30g / l

Ammonium chloride: recommendation: 2-5 g / l

Minimum quantity: 1 g / l - Maximum quantity: 6g / l

Finishing of rigid fabrics composed of synthetic fibers (PES)

20-200 g / l GAMMAFIX MBF CONC.

2-5 g / l ammonium chloride

Expression: approx. 50%

Drying as usual

Condensation: 4-5 min at 150 ° C

Note

GAMMAFIX MBF CONC. has a limited stability to hydrolysis. It is therefore advisable to use the mixtures with water quickly. With regard to formaldehyde, the information in the "MAK list" of maximum concentrations at the workplace must observe:

The workplace must be well ventilated. Since the release of formaldehyde can not be excluded during the production of garments and finished fabrics storage, care must also be taken in this case for good ventilation. Important prerequisites for optimal stiffening effects are:

neutralized fabrics / garments and satisfying conditions of condensation. A surplus of condensation can lead to possible development of odors on the fabric / garment. If condensation is carried out above 150 ° C, it is recommended to use magnesium chloride as a catalyst instead of ammonium salts. Condensation times must be shortened appropriately according to the temperature. Condensations at temperatures above 180 ° C are not recommended. Furthermore, the fabric being finished must be free of residual substances as far as possible. The finished fabric must be stored in a cool and dry place. The possible development of an odor in storage can not be excluded. Under normal conditions of finish it is unlikely that there will be any loss of the degree of whiteness.

After the finishing of dyed and printed products, the washing and rubbing solidity are usually unaffected. Only in rare cases can there be deterioration. The light fastness of reactive and direct dyes can be influenced by finishing with GAMMAFIX MBF CONC. The addition of 1.0 g / l of NETZER JET is recommended in all formulations.

Whiteners and fluorescents must be resistant in the acidic pH range. Because of the number of possible effects on the various strengths, it is advisable to perform preliminary tests. This applies especially to dyed and printed products in pastel shade

Keywords: fixer, crosslinker, crosslinking fixing



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