



Gammacolor s.r.l.  
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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

## GAMMAPRET MP

Waterproofing product suitable for all fibers

Chemical composition: microwax plus zirconil-derivatives

Appearance: Lactescent fluid liquid

Density at 20 ° C: 1.03 g / cm<sup>3</sup>

ionic character : Cationic

pH (100 g / l solution): 4.0

hard water stability : Excellent up to 20 ° dH, in acid solution for acetic acid (pH <4.5)

electrolyte stability: Limited, to be checked with catalysts for anti-crease resins

Stability to changes in pH: max 4.5

storage stability : Excellent under normal environmental conditions for 6 months. Protect from frost and avoid temperatures above 40 ° C.

compatible substances :

Fluoro-compound and water-repellent silicones,  
urea-formaldehyde and reactive anti-crease resins,  
ammonium sulfate type catalysts,  
colloidal silica for non-slip finishes,  
polyethylene emulsions

Incompatible substances: all the anion-active compounds

Preparation

Gammaret MP is added to the water of any hardness; the pH of the water must be slightly acidic (pH less than 4.5), by adding acetic acid in the ratio of 0.5-1 g / l.

Application



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Cotton and its blends with synthetic fibers (fabric)

a) waterproof finish  
50-100 g / l Gammapret MP  
Drying at 100-120 ° C

synthetic fiber fabric

waterproof finish (for rain cover) in nylon or mixed nylon / acetate  
60-80 g / l Gammapret MP  
Drying at 100-120 ° C

6) Wool and its blends (fabric)

The application of Gammapret MP on woolen fabrics can be carried out with normal pad equipment.

we recommend:

20-50 g / l Gammapret MP  
Following drying at 80-120 ° C.

Warnings It is absolutely essential to operate in an acid environment and consequently, in addition to initial water acidification, it must be ascertained that the tissues to be treated do not contribute to alkalinity. The fabrics to be treated must not contain surfactants that would reduce the effect of water repellency. The application is done cold or in any case at a temperature not higher than 40 ° C. The treated fabrics must be dried as usual at temperatures not below 80 ° C. It must be said that higher temperatures (110-120 ° C) make it possible to significantly improve the effect of water repellency and washing stability, even though it does not require polymerization and catalysts.

Keywords: waterproofing

The above data are the result of accurate studies and/or of the experience acquired; however, they are to be taken as an indication and in any case with no guarantee on our side as far as employment is concerned. The data contained in this data sheet are not to be regarded as technical specifications. For information, please contact: **e-mail address**

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