



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 I3

GENERAL FEATURES

GAMMAPRET I3 is a particular new chemical product free from fluorine and its derivatives; it is part of the environmental balance programs.

It performs a protective action on the fibers and fabrics, ensuring excellent waterproofing performance very close to the values obtained with fluorine polymers; it is also durable for prolonged washing.

Its nature manages to cushion the abrasion effect and improve the sewability, it is also particularly recommended for cellulosic fibers as well as for needed layers of synthetic and mixed derivation.

APPLICATIONS

As a general rule, we recommend that the articles to be waterproofed are well washed so as not to diminish the characteristics of final repellency, the same is true for wool / polyester blends.

For foularding:

with absorption of 70/80% and at a pH of 6-7

GAMMAPRET I3 40/90 gr / lt on cellulosic fabrics

GAMMAPRET I3 25/80 gr / lt on polyester / polyamide fabrics.

With 50% absorption and at a pH of 6-7

GAMMAPRET I3 60/120 gr / lt on wool, chlorinated wool, boiled wool and wool mixed with polyester fabrics.

After impregnation, the material can be dried at 120-130 ° C for 2 min and polymerized at 160-170 ° C for 30 sec.

The times shown are also to be related to the type of system available. The nature of the treated fiber is also important.

For exhaustion:

Rb 1:10 / 15 in water, pH 4-5

GAMMAPRET I3 3/10% on the material weight from cold is brought to 40 ° C (one degree per minute approx.) And is maintained for 30 minutes with stirring of the material in the bathroom. It is centrifuged and dried at 100-110 ° C, then it is recommended to polymerize for at least 60 seconds (minimum time) at 140-160 ° C.

Before treatment, check that there are no residual products with anionic charge.

The waterproofing characteristics remain with both domestic washing (10 home laundry cycles at 40 ° C) and dry cleaning (3 cycles with perchlorethylene).



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TECHNICAL FEATURES

Appearance white liquid
Copolymer composition
Active 28-30%
Non ionic charge / deb. cationic
pH as it is 4 - 6
Compatibility with cationic and non-ionic
Stable stability to acids and diluted alkalis
Solubility easily dispersed in cold water

STORAGE

The product is stable for at least 9 months from the delivery date if kept in its original packaging, away from heat sources and at a temperature between 5 ° C and 35 ° C.
We always recommend to shake the product before using it.
In the event of a long stay in stock, it may also be advisable to carry out a filtration before use.

SAFETY

The product is not classified as dangerous for health and the environment.
There are no regulations for transport and storage.
We recommend that you consult the safety data sheet.

keywords; waterproof, waterproofing

The data shown are the result of accurate studies and / or the experience gained, however they must be considered indicative and in any case without our guarantee for use. The data contained in this sheet are not to be considered specific.

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