

GOLDCARE FIT

This product is for special finishing for fabrics with biological mechanical modifier of cellulite and localized fat.

Fields of Application:

- Goldcare FIT is indicated for the biological mechanical modifier of cellulite and localized fat, for use in textile substrate for special finishes. It is suitable for natural and synthetic fibers, apply in knitted, woven or yarns, and can be applied by exhaustion, padding or foam process.

Features and benefits:

- The active principle of GoldCare FIT is scientifically studied, objectively tested and proven in the reduction of localized fat by promoting of lipolytic effect and modulator of lipogenesis. Subjectively perceived as modifier of the cellulite appearance and of localized fat, as well as in preventing stretch marks and firming effect on the skin.
- The product has good stability when stored under the guidelines described in the safety data sheet (SDS). Product sensitive to temperatures below 10 °C and exceeding 40 °C may occur variation of aspect and viscosity without interfered in product performance.
- This product fits the requirements of ZDHC program (Zero Discharge of Hazardous Chemicals).

Description of the active components:



Coffea arabica



Brassica campestris



GoldCare FIT has as active ingredient diterpenes and PUFAs (Polyunsaturated fatty acids) of green coffee oil and esterified phytosterols of *Brassica campestris*. These principles have several mechanisms of action as follows:

- Increased levels of leptin, reducing the presence of the regulatory protein and steroid binding, causing lipogenesis be decremented.
- Induces lipolysis by mechanisms of simultaneous action, remake the fibers of the dermis and fibers that fill the hypodermis, thus changing the entire topography mechanically modified;
- Super stimulates the synthesis of collagen and 1 and 2 and elastin;
- Acts focused on localized fat and improves the properties of the skin, making its mechanism of action be more specific;
- Inhibits stearyl- CoA and active the lipase (HSL-Hormone-Sensitive Lipase-);
- Activates the adenylate cyclase and increases AMPc;
- Induces the fibroblasts to increase the synthesis of TGF-beta;
- Induces the production of GM-CSF, other tissue growth factor;
- Increases the skin resistance front to mechanical forces that can generate his break and increases its capacity for regeneration.

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Physicochemical parameters:

Appearance	Viscous yellow opaque liquid.
Chemical Nature	Composition of seed oil of green coffee and vegetables phytosterols esterified of rural Brassica with fatty amines.
Ionic character	Slightly cationic
Solubility (sol. 10% w/w)	Soluble at 40°C, under stirring.
pH (sol. 10% w/w, 25°C)	8.0 – 10.0 <i>(After solubilization at 40 °C, lower temperature for 25 °C)</i>
Nonvolatile content (%)	48.0- 51.0
Compatibility	Compatible with cationic and nonionic products, however it is recommended to pre-test.

Application:

GoldCare FIT is applied as a finish agent and can be used with most market softeners; however it is recommended a preliminary test. The fabrics that will be treated with GoldCare FIT must be free of residues of any auxiliary of dye process as well as salts, alkali, reducers and acid. The article must be exhibiting excellent hydrophilicity.

The aspect of the product has the characteristic of separating over time, yet though it this does not interfere with product's performance. STIR THE PRODUCT UNTIL IT IS HOMOGENEOUS BEFORE USE.

Padding:

- 1.0 - 8.0 % of Goldcare FIT
- pH 5.0 – 6.0
- Drying temperatura :120 - 150°C
- 1.0 - 8.0 % of Goldcare FIT
- 20 - 30 mins at 50°C
- pH 5.0 – 6,0
- Drying temperatura :120 - 150°C

Exhaustion:

For data of security, ecological and toxicological, see the Safety Data Sheet (SDS).

Note: Given the variety of substrates and applications processes, the information provided with fidelity should be understood as a guidance tool, therefore we cannot be responsible for any damages resulting from an inappropriate use. The data contained in this technical informative are based on current knowledge and applications of our products performed. Additional information can be obtained from our technical department. Review: 05/30/2018

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