

GROUPE JLF Quality Control Department		 TECHNICAL DATA SHEET Hygiène & confort du pied		FT 018 Date of creation : 31/10/2002
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Page : 1/2

**SHOCK-ABSORBING AND VIBRATION
CONTROL INSOLE, ANTISTATIC,
ANTIFUNGAL, ANTIBACTERIAL, ANTI-ODOUR
« AMORTI CHOC »**

❶ DESCRIPTION OF THE PRODUCT

▫ COMPOSITION :

- *Upside layer:* Non-woven textile with permanent SANITIZED® and antistatic treatments, 100% polyamide, colour blue. Very resistant to abrasion and permeable to steam.

- *Downside layer :* Viscoelastic latex foam with permanent SANITIZED® and antistatic treatments.

Total thickness: 3.5 mm +/- 10%

❷ TREATMENT ET PROPERTIES :

2-1 Exclusive treatment:

This **active treatment exclusive to Groupe JLF**, combined with continuous treatment provided by the Sanitized® process, provides active protection against the principal microorganisms responsible for fungal and infectious conditions of the skin.

- Impregnation complex for adult's insoles exclusive to Groupe JLF.

Indications:

- Shoe hygiene (deodorises, aseptizises, refreshes)
- Prevention and neutralisation of unpleasant odours (very effective odour traps + antibacterial properties)
- Prevents and assists the treatment of fungus of the foot (very effective fungicidal properties)

Your feet are protected in your shoes from the principal strains of microorganisms responsible for unpleasant odours (bacteria)⁽¹⁾ and fungus⁽²⁾.

⁽¹⁾Effective on the foot on most bacteria causing unpleasant foot odour. (*Staphylococcus aureus*, *Staphylococcus epidermidis*, *Corynebacterium minutissimum*, *brevibacterium epidermidis*, *Propionibacterium granulosum*)

⁽²⁾Effective on the foot in up to 95% of cases of fungi and up to 99% of cases of nail fungi. (*Trichophyton rubrum*, *Trichophyton mentagrophytes*, *Candida parapsilosis*)



2-2 Properties

a) Absorption of impacts:

The characteristics of this foam offers an exceptional energy return rate. The absorption of shocks by the insoles results in a reduction of impacts for the feet and the articulations. (Preventive protection against tendonitis and ostreo-articular complications).

*This technical data sheet can be modified at any moment.
Please check up the validity before utilization.*

Absorption of shock waves (dynamic rheologic method, INSA Lyon) :

- At 0.94Hz¹ at 26°C, tan δ is more than 6 times superior to tan δ of our standard latex insole item 138.

¹ This frequency corresponds approximately to the rhythm of walking.

- At 1.5Hz² at 26°C, tan δ is more than 6.4 times superior to tan δ of our standard latex insole item 138.

² This frequency corresponds approximately to the rhythm of running.

In conclusion, this insole absorbs shocks minimum 6 times better than an insole made of a standard latex foam.

b) High performance:

These insoles absorb steam and transpiration of the foot which helps to keep feet and shoes dry and to reduce odours which are caused by transpiration.

- c) **Uses :**
- Sports : walking, running, etc...
 - Standing during long periods
 - Working near vibrating machines

CTC Laboratories' test results (with +/- 10% tolerance)

Tests	Norme	Method	Results
Absorption	EN 12746		94 mg/cm ²
Desorption	EN 12746	% water after 16 hours	106 %
Resistance to abrasion	EN 13520	Cycles to produce a hole Dry test Wet test	>25 600 >12 800
Antistatic behaviour	20344 §5.10	Dry test Wet test	Conform Conform

This antistatic insole is compliant to the standard **NF EN 20344 §5.10** **when** it has been tested following to this same standard in antistatic footwear, and it helps to minimize the accumulation of electrostatic charges through dissipation.

Its electrical resistance is higher than 0.1 megohm and lower than 1000 megohm, in dry as well as in humid environments.

The two elements (insole and shoe) must imperatively be tested together, in dry or wet conditions.

③ PERIOD OF EFFECTIVENESS: 3 months

- This may well vary to a greater or lesser extent depending on the criteria below : degree of sweating, acid pH, type of footwear, bodily hygiene etc.
- The insole is not washable (treated insole).

④ ADVICE ON USE:

- For greater comfort and effectiveness, it is best to alternate your pair of insoles with another from one day to the next or at least remove your insoles from your shoes each evening to allow them to dry.
- Use with the textile surface bearing the "JLF PRO_S3F" logo in contact with the foot.

Available sizes: from 35 to 50