



ECTOIN SHIELD COMPLEX®

The protective core of Likami SHIELD

At the heart of every Likami Daily Defence Fluid lies one shared foundation: the Ectoin Shield Complex®. This complex forms the protective core of the SHIELD line and supports the skin on a daily basis when exposed to sun, heat, pollution and dehydration.

The Ectoin Shield Complex® functions as an adaptive, synergistic system that works in harmony with the skin and with the active ingredients in each formula. It helps the skin respond to daily environmental stress and reinforces the overall performance of the formula.

In this way, the Ectoin Shield Complex® forms the bio-intelligent backbone of Likami SHIELD: a coherent system that supports, protects and keeps the skin in balance every day — in every variant, for every skin type.

The building blocks of the Ectoin Shield Complex®

The strength of the complex lies in the carefully considered synergy between three core components:

Ectoin

A biomimetic extremolyte that protects micro-organisms in extreme environments. On the skin, Ectoin forms a molecular protective network that helps stabilise cell membranes, reduce oxidative stress, calm micro-inflammation and limit transepidermal water loss. As a result, the skin barrier becomes more resilient, while the skin remains better hydrated and less reactive.

Aloe vera (Aloe Barbadensis Leaf Juice)

Intensely hydrates, soothes and supports skin comfort. Aloe vera contributes to a stable, balanced skin environment and helps the skin cope more effectively with external stressors.

Vitamin E (Tocopherol)

A powerful antioxidant that helps neutralise free radicals and limit oxidative damage. Vitamin E supports the skin's lipid layer and reinforces the protective function of the complex.

Together, these components create a protective micro-environment in which the skin can function more efficiently and active ingredients can perform at their best.

Synergy with daily mineral protection

Within the Likami SHIELD formulas, the Ectoin Shield Complex® works in close synergy with 100% mineral UV filters: Zinc Oxide and Titanium Dioxide. Thanks to advanced dispersion technology, these mineral filters are distributed with exceptional uniformity, resulting in a refined texture, high photostability and a comfortable skin feel for daily use.

Within this synergy, the Ectoin Shield Complex® helps the skin process external stressors such as UV exposure, heat and pollution, while Zinc Oxide and Titanium Dioxide provide direct and reliable protection against UVA, UVB and blue light. Together, they form a coherent, bio-intelligent protective system that moves with the skin and is suitable for daily use throughout the year. This synergy makes the system particularly well suited for long-term, everyday use without overloading the skin.

Ectoin as an intelligent linking molecule

Within the complex, Ectoin plays a central role as a connecting and strengthening element. It helps optimise the skin environment in which both botanicals and bio-actives function, while supporting the reduction of stress responses that may lead to redness, sensitivity, pigmentation or premature ageing.

Thanks to its biomimetic nature, Ectoin closely aligns with the skin's natural processes and supports its ability to protect and repair itself.

Bio-intelligent action across each Daily Defence Fluid

The foundation of the Ectoin Shield Complex® remains constant across all formulas. Its precise action is refined through synergy with the additional botanicals and bio-actives in each variant.

HYDRATE + BARRIER

Moisture & barrier intelligence

Ectoin works in synergy with highly water-binding and lipid-restoring actives to help limit moisture loss and keep the skin supple, plump and comfortable.

CALM + SOOTHE

Recovery & comfort intelligence

In combination with calming botanicals, the complex supports skin recovery, helps reduce redness and allows the skin to settle during stress, temperature fluctuations and hormonal sensitivity.

CORRECT + BRIGHTEN

Radiance & tone intelligence

Here, the complex helps protect the skin against oxidative triggers of pigmentation while supporting targeted tone correction and visible brightening.

One synergistic system, three ways in which protection translates into visible skin improvement.