HI-FLAP

PATENT PENDING

Why Hi- FLAP?

To convey the dynamic idea recalling the airplane concept

When the airplane is taking off, the flaps help to produce more lift.
Help movements

Conversely, flaps allow for a steep but controllable angle during landing.
Stabilization

BASE FEEL THE COMFORT

HI-FLAP

Base
feel the comfort

KEY POINTS

STABILITY

During a regular walk or in cases of excessive supination or pronation it **helps the foot** returning to the **correct posture** again.

WALK ASSISTANCE

Help to improve and make every phase of **walking** more **natural** and **fluid**.

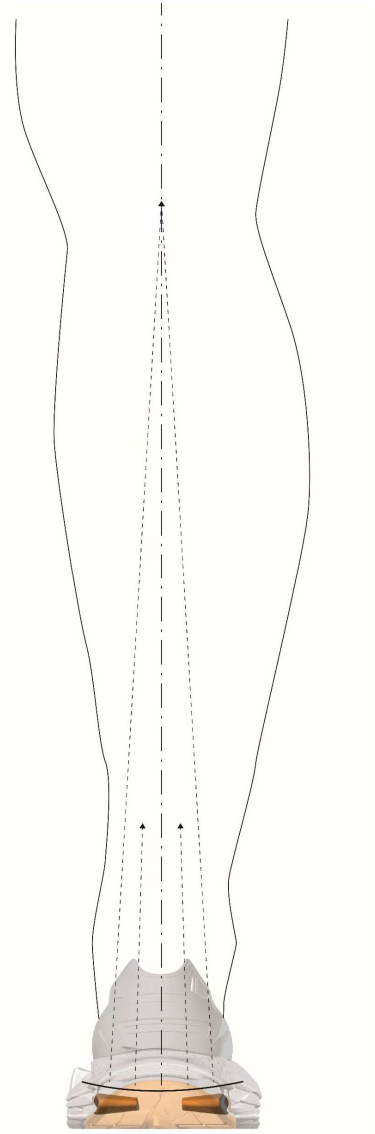
CUSHIONING

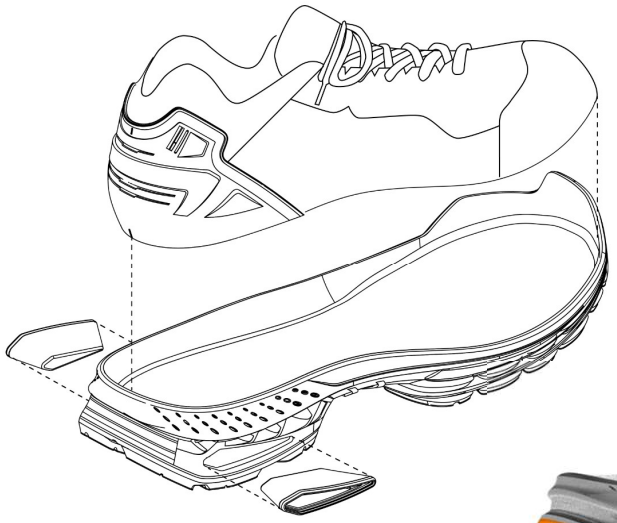
A combination of elements with a great **anti-fatigue effect.**

BIOMECHANICALLY COMPATIBLE

HI-FLAP

STABILITY



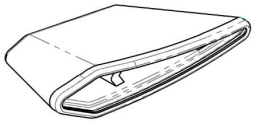


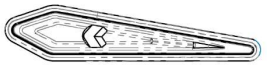
RHOMBOID SHAPE:

ELASTICITY

STABILITY

PROPULSION





ADVANTAGES

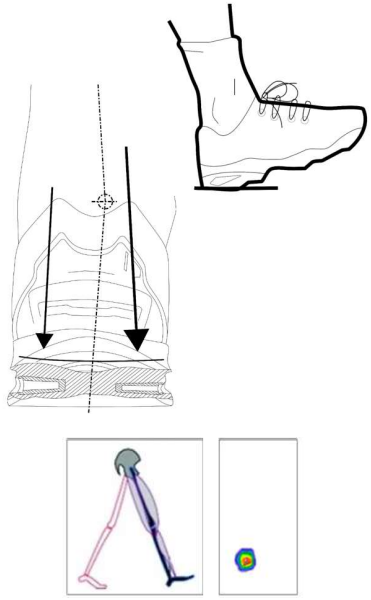
- ✓ Stabilization of the heel
- ✓ Prevention of ankle sprains
- ✓ Protection of joints and muscles
- ✓ Support for correct posture and alignment of the foot
- ✓ Reduction of possible imbalances or collapses of the foot.

BASE FEEL THE COMFORT

HI-FLAP

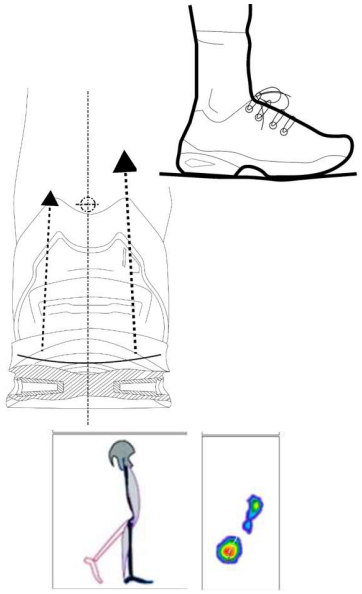
WALK ASSISTANCE

1. Heel Strike



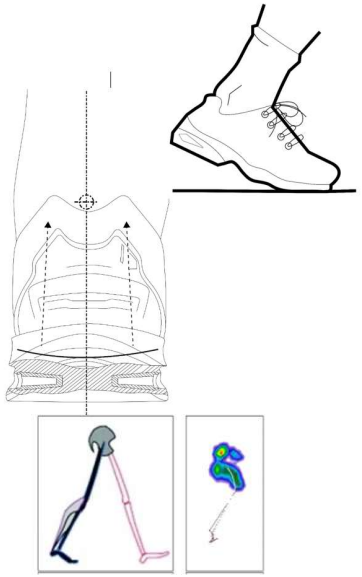
ACTIVATION OF BOTH FLAPS IN AN **ASYMMETRICAL MANNER** WITH PREDOMINANCE OF THE **EXTERNAL FLAP** BECAUSE AFTER THE FIRST CONTACT OF THE HEEL THE FOOT IS IN **SUPINATION**. FLAPs compress by absorbing energy. If supination is excessive, the counter-thrust of the external FLAP reduces the risk of sprains.

2. MIdstance



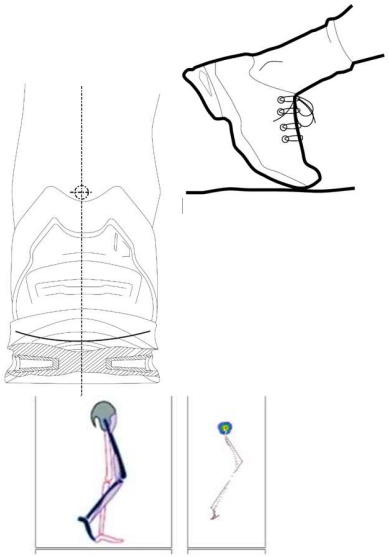
THE FLAPS ARE GRADUALLY DEACTIVATED, **RETURNING A MOST OF THE ABSORBED ENERGY.** In this way they facilitate the transfer of body weight from the heel to the forepart. The external flap continues to have a residual amount of absorbed energy as the foot is still in a supination phase.

3. Heel off



THE FLAPS DISCHARGE COMPLETELY. The greater residual energy of the EXTERNAL FLAP helps to **bring** the foot back to **the neutral axis**. The assistance of the FLAPS favors the push phase and facilitates the task of the pronator muscles by significantly reducing their effort.

4. Toe off



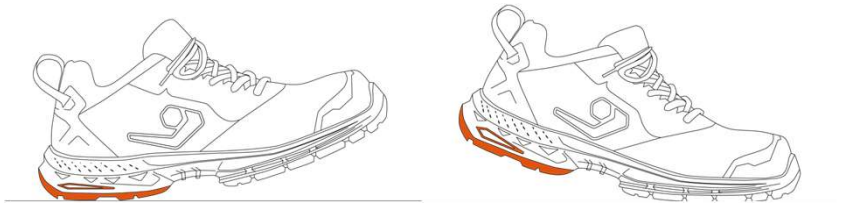
BOTH FLAPS ARE DEACTIVATED and READY FOR THE NEW WALK CYCLE

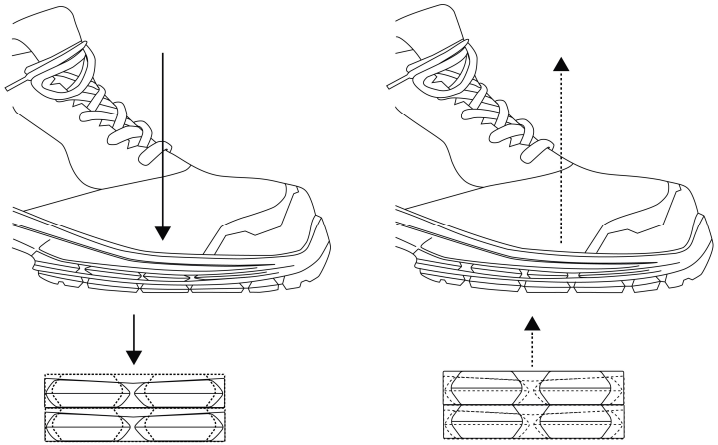
Base
feel the comfort

HI-FLAP

CUSHIONING

In the heel area the HI-FLAP technology is perfectly integrated into the **sole** which combines the **visco-elastic** characteristics of the soft polyurethane with the **elastic** ones of the rhomboidal **FLAPS**.





The **"soft pillows"** designed for the front part of the sole with the aim of relieve the pressure developed on the sole of the foot.

Base
feel the comfort