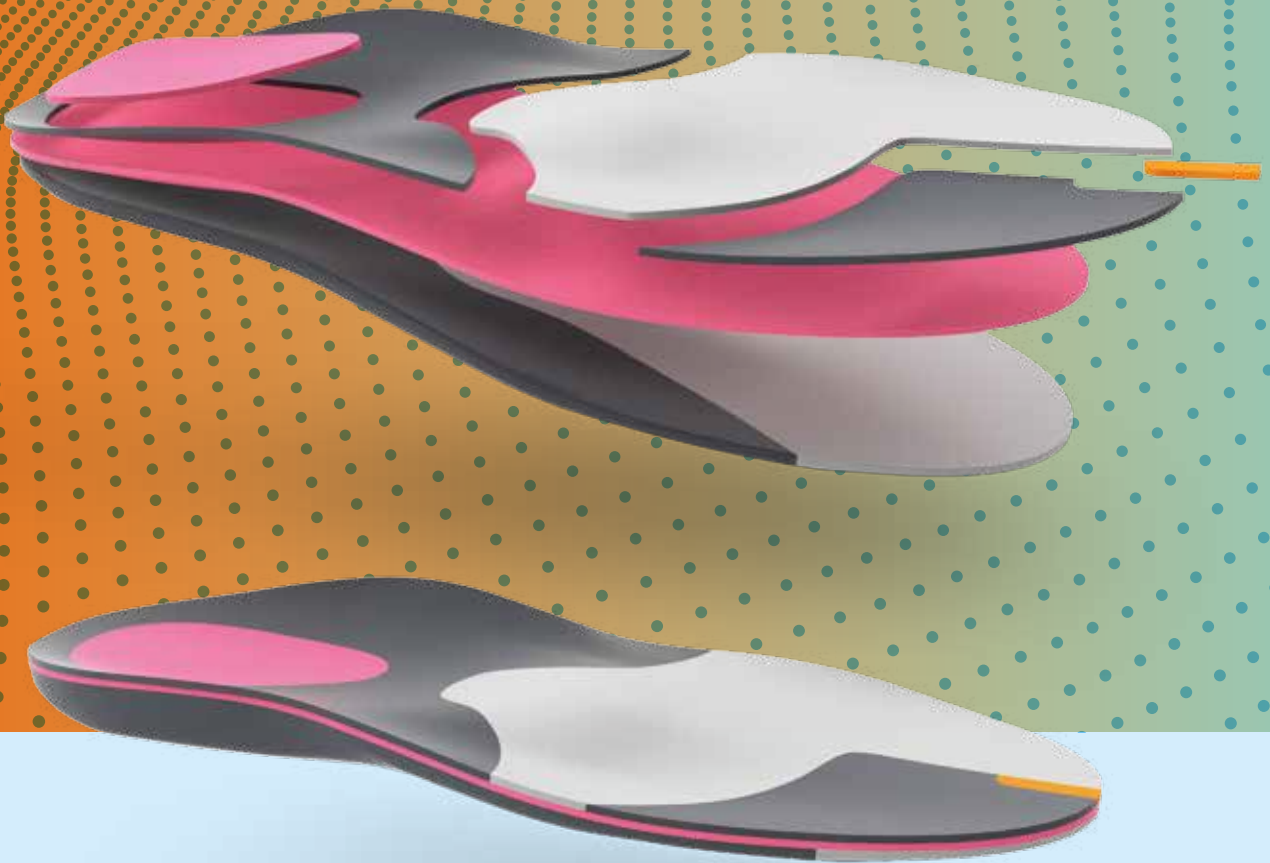


# PERFECT IN MOVEMENT

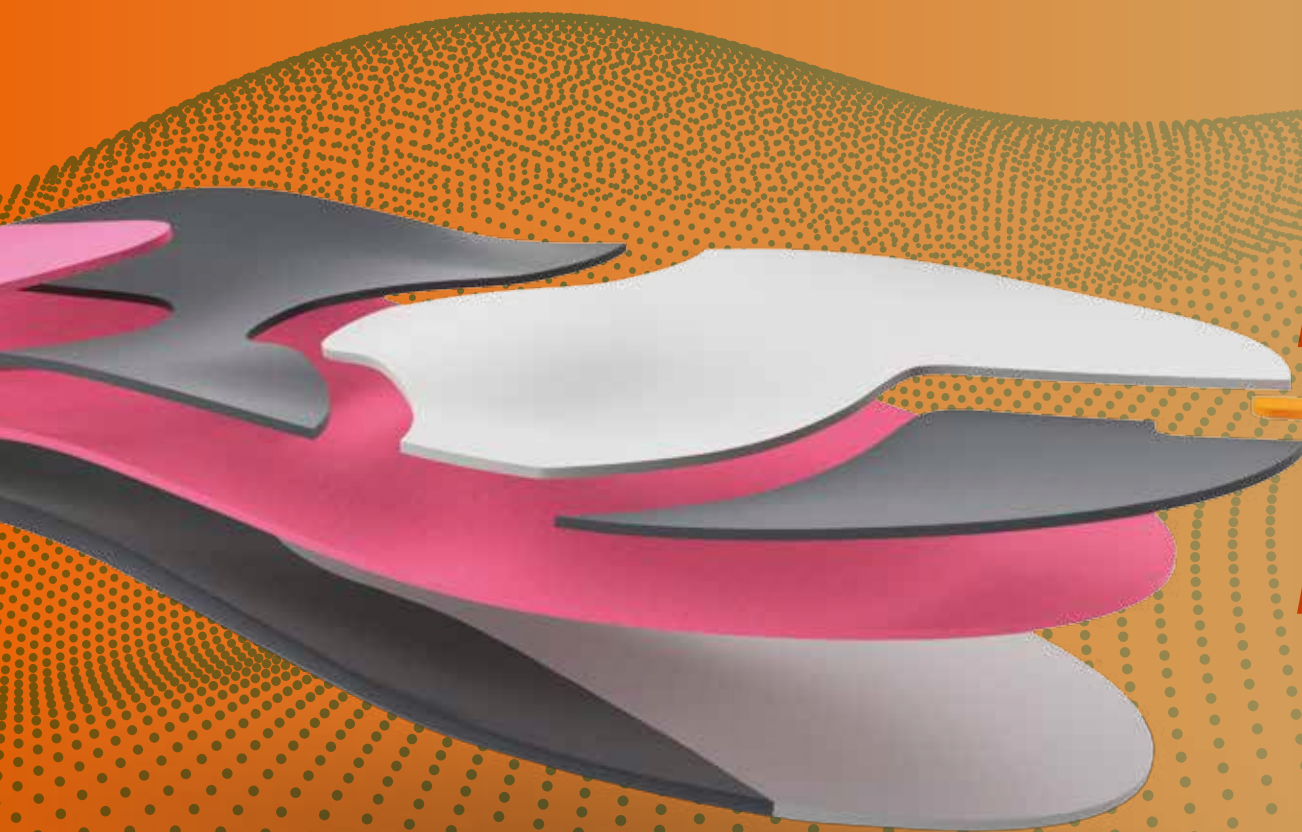
THE NEW INSOLE TECHNOLOGY

WITH 3D CONCEPT



NovaPED performance  
by schein

# THE NEW INS



# E XT LEVEL OF SOLE

**We have been committed to a special task for over 140 years: advancing the world of orthopaedic technology.**

When our company was founded in 1879, our initial focus was on craftsmanship. In 1926, we got involved in the sale and production of orthopaedic insole blanks.

A lot has happened since then. With new developments, we have continued to advance new possibilities in the supply of insoles. Traditional materials such as metal and wood have been replaced by efficient foams and carbon.

**Now, we have reached the next stage of development.**

We have developed three new functional materials for medical-orthopaedic use for **NovaPED performance**. In addition, the functional elements have been installed horizontally and vertically and kept separate from one another. What takes performance to the next level of insole? All elements working together as a single unit!

**The combination of different functions and material properties is what makes NovaPED performance unique.**

# 4

## ***THE BASIS FOR IMPROVED PERFORMANCE***

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People who are very active in their free time often feel significant strain on their feet. The aim of NovaPED performance is to counteract stress and discomfort day to day or during sporting activities.

Thanks to the special combination of various materials and unique properties, both in a vertical and horizontal structure, the new NovaPED performance offers the perfect basis to optimally bed, guide and relieve the foot during various types of activities.

### ***NOVAPED PERFORMANCE WITH 3D CONCEPT***

- Combines various material properties vertically and horizontally
- Relieves the foot during physical activity
- Supports the natural physiology of walking





### **PHYSIOLOGICAL ROLLING OF THE FOOT**

The specially designed base structure of the NovaPED performance supports the physiological rolling of the foot.



**INITIAL  
CONTACT**



**LOADING  
RESPONSE**



**MID  
STANCE**



**TERMINAL  
STANCE**

# 6

## **MULTI-EFFECTIVE: THE MULTI-ZONE EFFECT**

The new insole blanks (available in SOFT, MEDIUM and PLUS types) offer an impressive arrangement of different material zones.

If you look at the insole blanks from above, three different material zones can be identified, which differ in function and shore hardness. The orange-coloured register mark used in all three types serves as a guide.

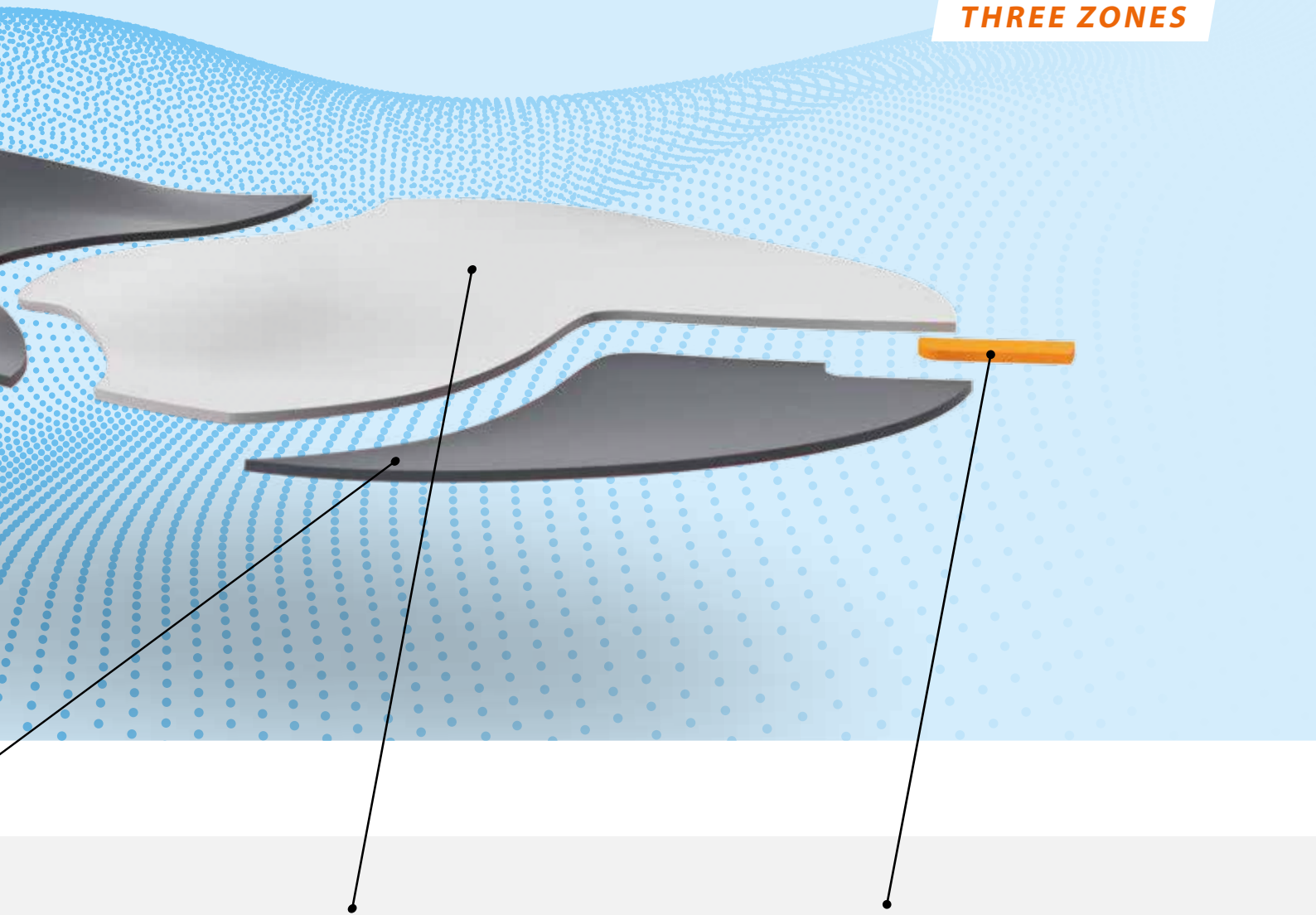


### **01 FUNCTIONAL ZONE**

made from a new functional material for orthopaedics – unleashes its full functionality upon first heel contact. Depending on the model, the impact forces of the step are cushioned or absorbed in an energy-returning manner.

### **02 GUIDE ZONE**

made from Multiforte (black, 40° Shore A): guides and supports the foot and absorbs motion forces. In the forefoot area, it supports the physiological rolling over the big toe as a gentle pronation aid.

**THREE ZONES****03 COMFORT ZONE**

made from Multiform (grey, 30° Shore A): cushions the motion forces formed during the rolling phase around the metatarsals which are often subject to heavy stress.

**REGISTER MARK**

serves as an additional guide in selecting the right blank sizes and marks a tip addition of two shoe sizes.

# EFFICIENT RIGHT DOWN TO THE LOWEST LEVEL

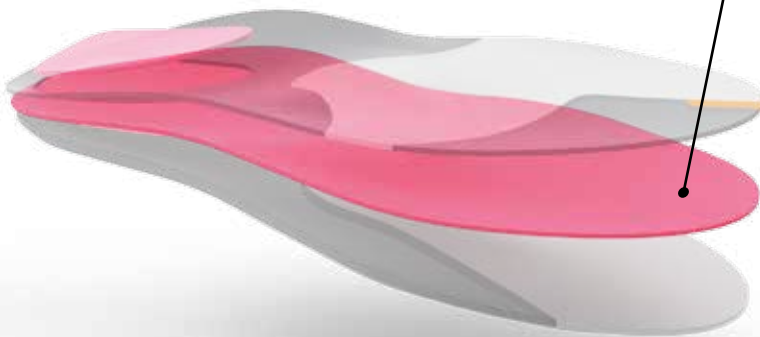
NovaPED performance combines different material properties from the top layer to the base structure in order to provide optimum motion control and support. Due to the special finishing of the base structure, the blank can be further processed in a highly efficient and time-saving manner.

## **Well thought out from top to bottom: the specially shaped base structure**

The base structure is vertically structured and designed in such a way that the foot is guided in the rear foot area and motion forces or stress in the forefoot area are absorbed.

## **HORIZONTAL FUNCTIONAL LEVEL**

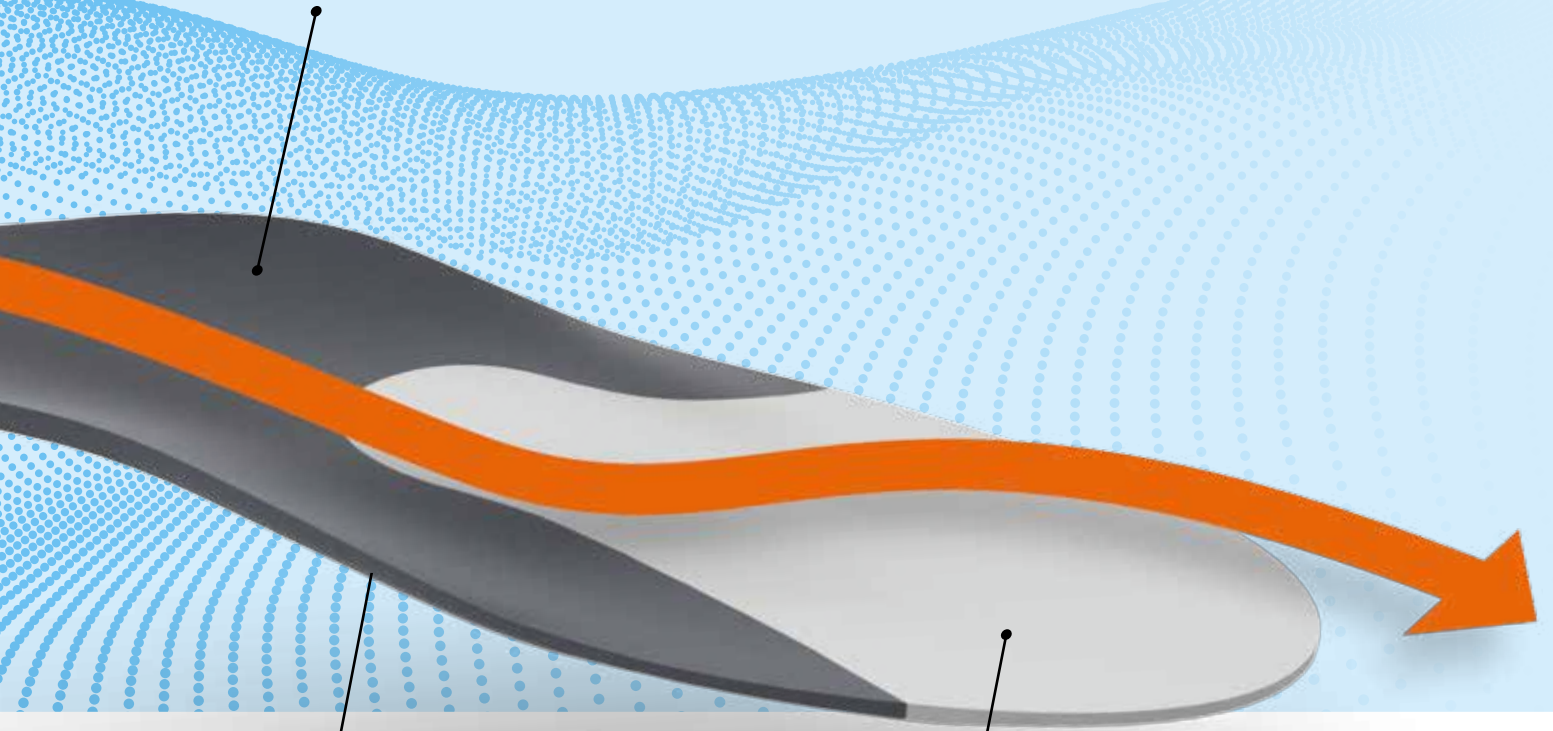
made of new developed materials with specific function depending on the model (SOFT, MEDIUM and PLUS) reliable reinforcement and support of activity with regard to the foot orthotics.





**REAR FOOT COMPONENT**

made from Multiforte (black, 40° Shore A): ensures a stable basis for the functional materials and stabilises the heel while walking. The special shape of the elongated lateral part assists with physiological movement.

**VERTICAL INSOLE LEVEL**

simplifies adaptation to the shoe or insole thanks to the ingeniously preformed base structure.

**FOREFOOT COMPONENT**

made from Multiform (grey, 30° Shore): continues the cushioning properties of the comfort zone from the top layer, even in the case of integrated transverse arch support.

## ***THREE TYPES FOR A PERFECT RESULT***

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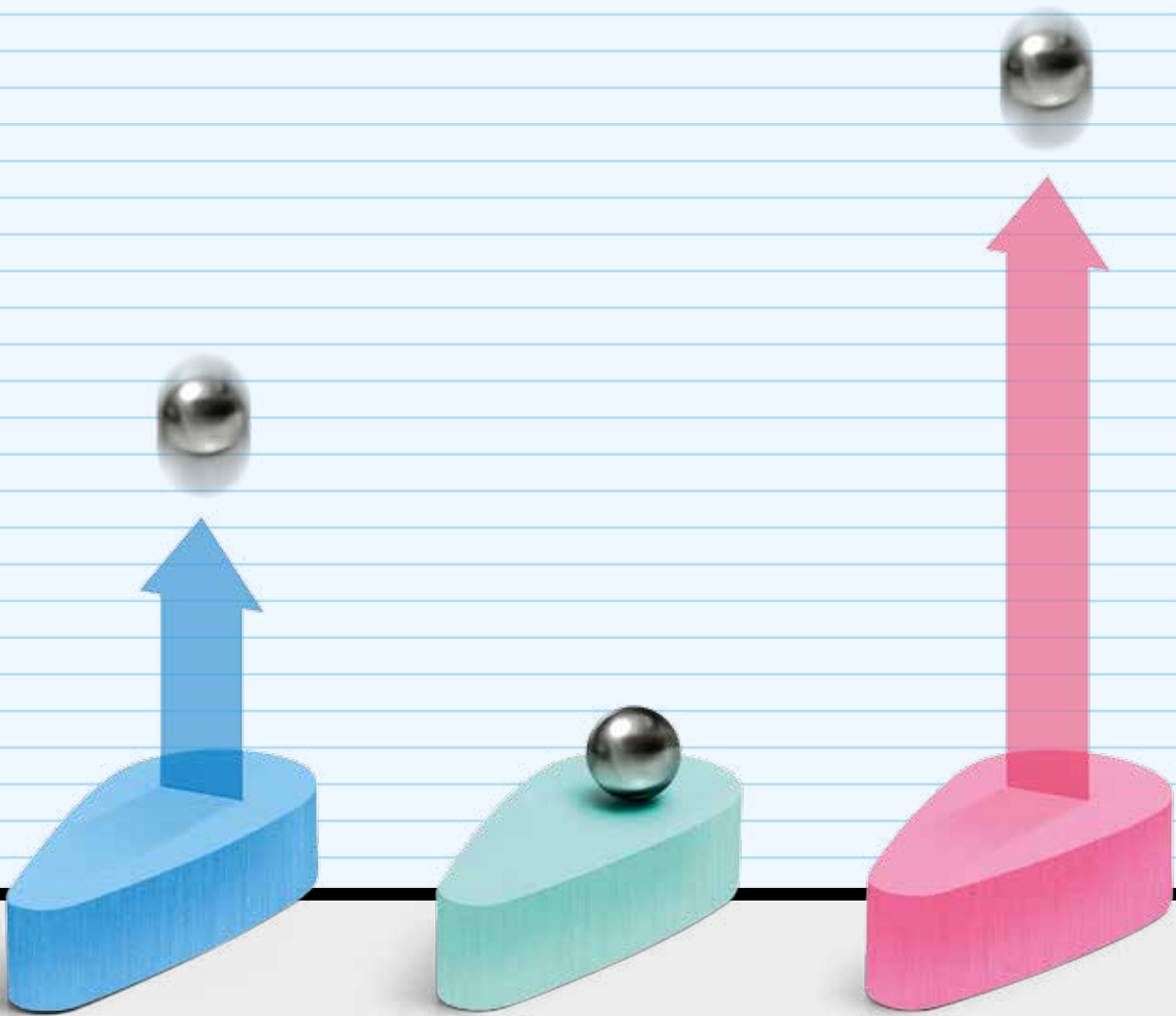
NovaPED performance insole blanks are available in three different versions: SOFT, MEDIUM and PLUS. The proper model can be selected according to the movement type, intensity and scope of the activity.

The three versions differ in terms of the functional material used in the functional zone and functional level.

**All three materials have been specially developed for medical-orthopaedic use.**

***ONE BLANK, THREE VERSIONS***





**SOFT**

**soft, cushioning**

Multiform hybrid

**for comfortable all-day activities**

**MEDIUM**

**shock-absorbing**

p<sup>2</sup> absorb

**for dynamic activities**

**PLUS**

**springy, energy-returning**

p<sup>2</sup> rebound

**for high-endurance sporting activities**

# COMFORTABLE, SOFT AND CUSHIONING:

## **NovaPED** *performance SOFT*

### **Material properties**

The blue Multiform hybrid offers comfortable cushioning properties and high long-term elasticity. The end-to-end horizontal functional level ensures cushioning throughout the entire step.

During physiological movement, high ground reaction forces occur when the foot touches down and when the foot lifts up. This is where the vertical functional zone of the NovaPED performance SOFT gently absorbs the load peaks, smoothly embeds the foot and reduces stress on the joint.

### **Application**

NovaPED performance SOFT is the perfect insole for activities with moderate physical exertion such as everyday activity and walking. It is suitable for use in casual and comfort footwear.

### **Covering**

On request, we can add a black perforated OnDry covering made from 100% microfibre to NovaPED performance.





NovaPED performance **SOFT**

ITEM NO.	DESCRIPTION	SIZES
978110-000	NovaPED performance SOFT	35 – 48
978110-001	NovaPED performance SOFT with OnDry black perforated covering	35 – 48

# SHOCK-ABSORBING AND RELIEVING:



## NovaPED performance MEDIUM

### Material properties

The name speaks for itself. The green p<sup>2</sup> absorb is extremely shock-absorbing. It reduces shear forces and ensures a stable foot position in a way that the foot is optimally guided, especially in the case of fast, dynamic motion involving changes of direction.

### Application

NovaPED performance MEDIUM is perfect for people who are very active in their everyday life. The insole is ideal for sports with varying dynamism played on hard surfaces, such as tennis, handball, basketball,

football, hockey and volleyball. Due to its construction, it can be easily inserted in sports and casual shoes.

### Covering

On request, we can add a black perforated OnDry covering made from 100% microfibre to NovaPED performance.





**NovaPED performance MEDIUM**

ITEM NO.	DESCRIPTION	SIZES
978120-000	NovaPED performance MEDIUM	35 – 48
978120-001	NovaPED performance MEDIUM with OnDry black perforated covering	35 – 48

# ***SPRINGY AND ENERGY-RETURNING:***

## ***NovaPED performance PLUS***

### **Material properties**

The pink p<sup>2</sup> rebound offers high dynamic cushioning and recovery properties.

This ensures increased energy recirculation.

Particularly in the case of motion involving rapid steps, the foot is resiliently relieved and guided from the initial contact with the ground to pushing off via the forefoot.

### **Application**

NovaPED performance PLUS is the perfect insole for long, high-endurance sporting activities such as running or walking due to its strong energy

recirculation. NovaPED performance PLUS also provides optimal support for people who are very active in their everyday lives. It is perfect for sports and casual shoes.

### **Covering**

On request, we can add a black perforated OnDry covering made from 100% microfibre to NovaPED performance.







**NovaPED performance PLUS**

ITEM NO.	DESCRIPTION	SIZES
978130-000	NovaPED performance PLUS	35 – 48
978130-001	NovaPED performance PLUS with OnDry black perforated covering	35 – 48

# NOVAPED PERFORMANCE AT A GLANCE

## Optionally available with OnDry covering

All NovaPED performance insole blanks are optionally available with or without a top covering. The black, perforated OnDry covering material is made entirely from microfibre and offers excellent moisture-absorbing properties which ensures a pleasant, dry foot climate.



### **ONDRY MICROFIBRE COVERING**

- antibacterial
- odour-repellent
- sweat-resistant
- breathable
- verified according to Oeko-Tex® Standard 100



### NovaPED performance **SOFT**

ITEM NO.	DESCRIPTION	SIZES
978110-000	NovaPED performance SOFT	35 – 48
978110-001	NovaPED performance SOFT with OnDry black perforated covering	35 – 48



### NovaPED performance **MEDIUM**

ITEM NO.	DESCRIPTION	SIZES
978120-000	NovaPED performance MEDIUM	35 – 48
978120-001	NovaPED performance MEDIUM with OnDry black perforated covering	35 – 48



### NovaPED performance **PLUS**

ITEM NO.	DESCRIPTION	SIZES
978130-000	NovaPED performance PLUS	35 – 48
978130-001	NovaPED performance PLUS with OnDry black perforated covering	35 – 48

**Schein Orthopädie Service KG**

Hildegardstraße 5  
42897 Remscheid  
Deutschland

Tel. +49 (0)2191 910 200  
Fax +49 (0)2191 910 100

medical@schein.de  
[www.schein.de](http://www.schein.de)

**NovaPED performance**  
by **schein**



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